

## **Question 1 – write Agile Manifesto**

### **The Four Core Values of the Agile Manifesto**

1. Individuals and interactions over processes and tools
  - a. Emphasizes the importance of people and effective communication among team members
  - b. Prioritizes human collaboration over rigid processes
2. Working software over comprehensive documentation
  - a. Focuses on delivering functional software as the primary measure of progress
  - b. Streamlines documentation to accelerate development and release cycles
3. Customer collaboration over contract negotiation
  - a. Encourages active customer involvement throughout the development process
  - b. Promotes ongoing partnership rather than rigid contractual relationships
4. Responding to change over following a plan
  - a. Embraces flexibility and adaptability to changing requirements
  - b. Values the ability to adapt even late in the development process

### **The Twelve Principles of the Agile Manifesto**

1. Customer satisfaction through early and continuous delivery of valuable software
2. Welcome changing requirements, even late in development, harnessing change for competitive advantage
3. Deliver working software frequently, preferably in shorter timescales (weeks to months)
4. Daily collaboration between business people and developers throughout the project
5. Build projects around motivated individuals, providing them with environment, support, and trust
6. Face-to-face conversation as the most efficient method of conveying information
7. Working software as the primary measure of progress
8. Sustainable development with sponsors, developers, and users maintaining a constant pace
9. Continuous attention to technical excellence and good design to enhance agility
10. Simplicity - maximizing the amount of work not done
11. Self-organizing teams produce the best architectures, requirements, and designs
12. Regular reflection by teams on how to become more effective, then adjusting behavior accordingly

## **Question 2 – User Stories- Acceptance Criteria-BV-CP**

- **User Story:**  
A short, simple description of a feature told from the perspective of the user.  
*Format: As a [role], I want [goal], so that [benefit].*
- **Acceptance Criteria (AC):**  
A set of conditions that must be met for a user story to be considered complete.
- **BV (Business Value):**  
A numeric score that shows the importance/benefit of a user story to the business. Higher = more important.
- **CP (CP = Complexity Points):**  
A numeric score that represents the **effort/complexity** to develop the user story, usually in story points.

## SPRINT-1

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------|
| User Story No: 1                                                                                                                                                                                                 | Tasks: 2 | Priority: HIGHEST |
| AS A DELIVERY BOY<br>I WANT TO REGISTER IN SCRUM FOODS<br>SO THAT I CAN DELIVER ORDERS                                                                                                                           |          |                   |
| BV: 500                                                                                                                                                                                                          |          | CP: 02            |
| ACCEPTANCE CRITERIA<br>Registration Screen<br>Text Boxes for Username, Password, Nation ID, Mobile No, Email, Address,<br>Phone Number.<br>Click on Register Button.<br>Send Successful Notification to the user |          |                   |

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|-----------------------------------------------------------------------------------------|----------|-------------------|
| User Story No: 2                                                                        | Tasks: 2 | Priority: HIGHEST |
| AS A RESTAURANT OWNER<br>I WANT TO VIEW ORDERS<br>SO THAT I CAN VIEW THE LIST OF ORDERS |          |                   |
| BV: 500                                                                                 |          | CP: 02            |
| ACCEPTANCE CRITERIA<br>View Order, Display List of orders in the tabular Form           |          |                   |

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|-----------------------------------------------------------------------------------------|----------|-------------------|
| User Story No: 3                                                                        | Tasks: 2 | Priority: HIGHEST |
| AS A CUSTOMER<br>I WANT TO ADD THE ADDRESS<br>SO THAT I CAN GET THE ORDER TO MY ADDRESS |          |                   |
| BV: 500                                                                                 |          | CP: 2             |
| Acceptance Criteria:                                                                    |          |                   |

Text Box to enter.

Business Rules: Within the radius of 5 km

|                                                                                                                                                             |          |                   |
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| User Story No: 4                                                                                                                                            | Tasks: 2 | Priority: HIGHEST |
| AS A CUSTOMER<br>I WANT TO SELECT THE PAYMENT MODE<br>SO THAT I CAN MAKE PAYMENT OF MY CHOICE                                                               |          |                   |
| BV: 500                                                                                                                                                     |          | CP: 3             |
| ACCEPTANCE CRITERIA<br>Display payment modes, radio buttons to select payment modes,<br>payments button.<br>Business Rule. Can select only one payment mode |          |                   |

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------|
| User Story No: 5                                                                                                                                            | Tasks: 2 | Priority: HIGHEST |
| AS AN ADMIN<br>I WANT TO VIEW THE RESTAURANTS<br>SO THAT I CAN APPROVE THEIR REGISTRATION                                                                   |          |                   |
| BV: 500                                                                                                                                                     |          | CP: 2             |
| ACCEPTANCE CRITERIA<br>List of restaurant, select Restaurants, verify restaurant details,<br>approve button, reject button, notification to the restaurant. |          |                   |

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|--------------------------------------------------------------------------|----------|---------------|
| User Story No: 6                                                         | Tasks: 2 | Priority: LOW |
| AS ACUSTOMER<br>I WANT TO VIEW THE PRICE<br>SO THAT I CAN ORDER THE FOOD |          |               |
| BV: 50                                                                   |          | CP: 1         |
| ACCEPTANCE CRITERIA<br><br>1. Display price in the list of menu items    |          |               |

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| User Story No: 7                                                                                                        | Tasks: 2 | Priority:LOW |
| AS A CUSTOMER<br>I WANT TO VIEW THE CONTACT NUMBER OF DELIVERY BOY<br>SO THAT I CAN CONTACT DELIVERY BOY FOR THE STATUS |          |              |
| BV: 50                                                                                                                  |          | CP: 1        |
| ACCEPTANCE CRITERIA<br>1..Display delivery boy mobile number                                                            |          |              |

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|-----------------------------------------------------------------------------------|
| 2. Display delivery boy name in tracking field<br>3. Display delivery boy picture |
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| User Story No: 8                                                                                                                             | Tasks: 2 | Priority:MEDIUM |
| AS A RESTAURANT OWNER<br>I WANT TO PROVIDE TIME SLOTS<br>SO THAT CUSTOMER CAN CHECK OPENING AND CLOSING HOURS                                |          |                 |
| BV: 100                                                                                                                                      |          | CP: 2           |
| ACCEPTANCE CRITERIA<br>1. Click on restaurant dashboard<br>2. Add from time to time<br>3. Click on submit<br>4. Display updated successfully |          |                 |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------|
| User Story No: 9                                                                                                                                                         | Tasks: 2 | Priority: HIGHE |
| AS A Business OWNER<br>I WANT TO VIEW RESTAURANT REVENUE REPORT<br>SO THAT I CAN VIEW THE RESTAURANT'S REVENUE                                                           |          |                 |
| BV: 200                                                                                                                                                                  |          | CP: 3           |
| ACCEPTANCE CRITERIA<br>Select Reports<br>Select Revenue Reports<br>Select to and from date Select Region (can select all)<br>Generate Report<br>Download Report in EXCEL |          |                 |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------|
| User Story No: 10                                                                                                                                                                                                  | Tasks: 2 | Priority: HIGH |
| AS A REG ADMIN<br>I WANT TO MANAGE REGIONAL RESTAURANTS,<br>SO THAT, I CAN TRACK THE PERFORMANCE OF REGIONAL<br>RESTAURANTS.                                                                                       |          |                |
| BV: 200                                                                                                                                                                                                            |          | CP: 3          |
| ACCEPTANCE CRITERIA<br>CLICK ON PERFORMANCE OF RESTAURANTS<br>SELECT FROM DATE TO DATE<br>CLINCK ON GENERATE REPORT WHICH INCLUDES<br>RESTAURANTS ID, NAME, REVENUE<br>CLICK ON DOWNLOAD REPORT SHOULD BE IN EXCEL |          |                |

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------|
| User Story No: 11                                                                                                                                                                  | Tasks: 2 | Priority: HIGH |
| AS ADMIN I WANT TO SEE THE REGIONAL REVENUE REPORTS, SO THAT I CAN VIEW THE REGIONAL PERFORMANCE                                                                                   |          |                |
| BV: 100                                                                                                                                                                            |          | CP: 3          |
| ACCEPTANCE CRITERIA<br>Select regional dropdown View performance of each rest of that region in tabular form which includes rest name, revenue, generated Download in excel or PDF |          |                |

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| User Story No: 12                                                                                                                                                                       | Tasks: 2 | Priority: HIGH |
| AS A CUSTOMER<br>I WANT TO CHAT WITH REG ADMIN<br>SO THAT I CAN REQUEST FOR REFUND                                                                                                      |          |                |
| BV: 200                                                                                                                                                                                 |          | CP: 2          |
| ACCEPTANCE CRITERIA<br>1)BR-ALL MANDATORY<br>2) TEXT BOX FIELDS<br>3)DISPLAY ORDER ID<br>4) TEXT BOX,FOR DESCRIPTION<br>5) SUBMIT BUTTON<br>6)GENERATE ISSUE ID<br>7)DISPLAY SUCCESSFUL |          |                |

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------|
| User Story No: 13                                                                                                                                                                         | Tasks: 2 | Priority: HIGH |
| AS A CUSTOMER<br>I WANT TO REGISTER AND LOGIN<br>SO THAT I CAN ACCESS THE APP SECURELY                                                                                                    |          |                |
| BV: 300                                                                                                                                                                                   |          | CP: 3          |
| ACCEPTANCE CRITERIA<br><br>1. Mandatory fields (Name, Email, Mobile, Password)<br>2. OTP verification (EMAIL, MOBILE)<br>3. Unique email/mobile validation<br>4. Successful login message |          |                |

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|-------------------|----------|----------------|
| User Story No: 14 | Tasks: 2 | Priority: HIGH |
| AS A CUSTOMER     |          |                |

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| I WANT TO LOGIN<br>SO THAT I CAN PLACE ORDER                                                                                                                                                                                    |       |
| BV: 500                                                                                                                                                                                                                         | CP: 3 |
| ACCEPTANCE CRITERIA <ol style="list-style-type: none"> <li>1. Mandatory fields (Name, Email, Mobile, Password)</li> <li>2. OTP verification (EMAIL, MOBILE)</li> <li>3. Moving to home screen after succesfull login</li> </ol> |       |

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|-----------------------------------------------------------------------------------------------------------------|----------|----------------|
| User Story No: 15                                                                                               | Tasks: 2 | Priority: HIGH |
| AS A CUSTOMER<br>I WANT SEE THE CATAGORIES LIKE RESTAURANTS<br>SO THAT I CAN SERCH AND ORDER FOOD BY CATAGORIES |          |                |
| BV: 300                                                                                                         |          | CP: 2          |
| ACCEPTANCE CRITERIA                                                                                             |          |                |
| 1) Search by name, cuisine, or location                                                                         |          |                |
| 2) Display restaurant list with ratings                                                                         |          |                |
| 3) Filter and sort options                                                                                      |          |                |

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| User Story No: 16                                                                                                           | Tasks: 2 | Priority: HIGH |
| AS A CUSTOMER<br>I WANT TO VIEW A RESTAURANT MENU<br>SO THAT I CAN SELECT ITEMS TO ORDER                                    |          |                |
| BV: 300                                                                                                                     |          | CP: 2          |
| ACCEPTANCE CRITERIA                                                                                                         |          |                |
| <div>1. Display menu categories</div> <div>2. Show item details (price, description)</div> <div>3. Add to cart option</div> |          |                |

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|-----------------------------------------------------------------------------------------------------------------------|----------|----------------|
| User Story No: 17                                                                                                     | Tasks: 2 | Priority: HIGH |
| AS A CUSTOMER<br>I WANT TO PLACE AN ORDER<br>SO THAT I CAN RECEIVE FOOD AT MY LOCATION                                |          |                |
| BV: 500                                                                                                               |          | CP: 3          |
| ACCEPTANCE CRITERIA                                                                                                   |          |                |
| 1) Select items from menu<br>2) Confirm delivery address<br>3) Select payment option<br>4) Display order confirmation |          |                |

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| User Story No: 18                                                                                                                                                           | Tasks: 2 | Priority: HIGH |
| AS A CUSTOMER<br>I WANT TO TRACK MY ORDER IN REAL TIME<br>SO THAT I KNOW DELIVERY STATUS                                                                                    |          |                |
| BV: 300                                                                                                                                                                     |          | CP: 2          |
| ACCEPTANCE CRITERIA<br><br><ol style="list-style-type: none"> <li>1. Show delivery boy location on map</li> <li>2. Update status (Picked, On the way, Delivered)</li> </ol> |          |                |

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| User Story No: 19                                                                                                                                                                                                   | Tasks: 2 | Priority: HIGH |
| AS A CUSTOMER<br>I WANT TO CANCEL MY ORDER<br>SO THAT I CAN AVOID UNWANTED DELIVERY                                                                                                                                 |          |                |
| BV: 300                                                                                                                                                                                                             |          | CP: 3          |
| ACCEPTANCE CRITERIA<br><br><ol style="list-style-type: none"> <li>1) Cancel option before order is dispatched</li> <li>2) Confirmation popup before cancel</li> <li>3) Display refund initiation message</li> </ol> |          |                |

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| User Story No: 20                                                                                                                                             | Tasks: 2 | Priority: MEDIUM |
| AS A CUSTOMER<br>I WANT TO GIVE RATING FOR FOOD<br>SO THAT I CAN SHARE MY EXPERIANCE                                                                          |          |                  |
| BV: 300                                                                                                                                                       |          | CP: 2            |
| ACCEPTANCE CRITERIA<br><br><ul style="list-style-type: none"> <li>• Star rating 1–5</li> <li>• Optional feedback text box</li> <li>• Submit button</li> </ul> |          |                  |

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|--------------------------------------------------------------------------------|----------|------------------|
| User Story No: 21                                                              | Tasks: 2 | Priority: MEDIUM |
| AS A CUSTOMER<br>I WANT TO VIEW ORDER HISTORY<br>SO THAT I CAN REORDER QUICKLY |          |                  |
| BV: 200                                                                        |          | CP: 1            |
| ACCEPTANCE CRITERIA<br><br>1) Display past orders<br>2) Option to reorder      |          |                  |

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------|
| User Story No: 22                                                                                                                                                    | Tasks: 2 | Priority: HIGH |
| AS A CUSTOMER<br>I WANT TO CHAT WITH REGIONAL ADMIN<br>SO THAT I CAN REQUEST FOR REFUND                                                                              |          |                |
| BV: 500                                                                                                                                                              |          | CP: 2          |
| ACCEPTANCE CRITERIA<br><br>1) Text box fields<br>2) Display Order ID<br>3) Description box<br>4) Submit button<br>5) Generate issue ID<br>6) Display success message |          |                |

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|-------------------------------------------------------------------------------------------------------------------|----------|----------------|
| User Story No: 23                                                                                                 | Tasks: 2 | Priority: HIGH |
| AS A DELIVERY BOY<br>I WANT TO VIEW AVAILABLE ORDERS<br>SO THAT I CAN CHOOSE WHICH TO DELIVER                     |          |                |
| BV: 300                                                                                                           |          | CP: 2          |
| ACCEPTANCE CRITERIA<br><br>1) Display order list with location & payment type<br>2) Refresh option for new orders |          |                |

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|-------------------|----------|----------------|
| User Story No: 24 | Tasks: 2 | Priority: HIGH |
|-------------------|----------|----------------|



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|-----------------------------------------------------------------------------------------|-------|
| AS A DELIVERY BOY<br>I WANT TO ACCEPT AN ORDER<br>SO THAT I CAN PICK IT UP FOR DELIVERY |       |
| BV: 200                                                                                 | CP: 2 |
| ACCEPTANCE CRITERIA                                                                     |       |
| 1) Accept button available<br>2) Order status updates to "Accepted"                     |       |

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|--------------------------------------------------------------------------------------------|----------|----------------|
| User Story No: 25                                                                          | Tasks: 2 | Priority: HIGH |
| AS A DELIVERY BOY<br>I WANT TO UPDATE ORDER STATUS<br>SO THAT CUSTOMERS CAN TRACK DELIVERY |          |                |
| BV: 500                                                                                    |          | CP: 2          |
| ACCEPTANCE CRITERIA                                                                        |          |                |
| 1) Status options: Picked up, On the way, Delivered                                        |          |                |
| 2) Real-time update visible to customer                                                    |          |                |

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|-------------------------------------------------------------------------------------------------------------|----------|----------------|
| User Story No: 26                                                                                           | Tasks: 2 | Priority: HIGH |
| AS A DELIVERY BOY<br>I WANT TO RECEIVE PAYMENT DETAILS<br>SO THAT I CAN TRACK MY COD AND ONLINE COLLECTIONS |          |                |
| BV: 300                                                                                                     |          | CP: 3          |
| ACCEPTANCE CRITERIA                                                                                         |          |                |
| 1) Display total COD pending                                                                                |          |                |
| 2) Display online payments collected                                                                        |          |                |

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|-------------------------------------------------------------------------------------------|----------|------------------|
| User Story No: 27                                                                         | Tasks: 2 | Priority: MEDIUM |
| AS A DELIVERY BOY<br>I WANT TO VIEW CUSTOMER FEEDBACK<br>SO THAT I CAN IMPROVE MY SERVICE |          |                  |
| BV: 200                                                                                   |          | CP: 2            |
| ACCEPTANCE CRITERIA<br>Display rating and comments                                        |          |                  |

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|----------------------------------------------------------------------------------------------------------------------|----------|------------------|
| User Story No: 28                                                                                                    | Tasks: 2 | Priority: MEDIUM |
| AS A DELIVERY BOY<br>I WANT TO RAISE ISSUES<br>SO THAT I CAN REPORT DELIVERY CHALLENGES                              |          |                  |
| BV: 200                                                                                                              |          | CP: 2            |
| ACCEPTANCE CRITERIA<br><br>1) Issue type dropdown<br>2) Description box<br>3) Submit button<br>4) Generate ticket ID |          |                  |

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|----------------------------------------------------------------------------------------------|----------|---------------|
| User Story No: 29                                                                            | Tasks: 2 | Priority: LOW |
| AS A DELIVERY BOY<br>I WANT TO VIEW MY DELIVERY REPORT<br>SO THAT I CAN TRACK MY PERFORMANCE |          |               |
| BV: 200                                                                                      |          | CP:2          |
| ACCEPTANCE CRITERIA<br><br>1) Display completed deliveries<br>2) Show earnings report        |          |               |

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|-------------------------------------------------------------------------------------------------|----------|----------------|
| User Story No: 30                                                                               | Tasks: 2 | Priority: HIGH |
| AS A RESTAURANT<br>I WANT TO VIEW INCOMING ORDERS<br>SO THAT I CAN PREPARE FOOD                 |          |                |
| BV: 500                                                                                         |          | CP: 5          |
| ACCEPTANCE CRITERIA<br><br>1) Order details displayed<br>2) Order status pending until prepared |          |                |

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|-----------------------------------------------------------------------------------------|----------|----------------|
| User Story No: 31                                                                       | Tasks: 2 | Priority: HIGH |
| AS A RESTAURANT<br>I WANT TO VERIFY DELIVERY BOYS<br>SO THAT I CAN HANDOVER FOOD SAFELY |          |                |

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|--------------------------------------------------------------------------------------------------------------------------------------|-------|
| BV: 500                                                                                                                              | CP: 2 |
| ACCEPTANCE CRITERIA <ul style="list-style-type: none"> <li>1) Delivery boy ID shown</li> <li>2) Verification confirmation</li> </ul> |       |

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|----------------------------------------------------------------------------------------------------|----------|----------------|
| User Story No: 32                                                                                  | Tasks: 2 | Priority: HIGH |
| AS A RESTAURANT<br>I WANT TO RECEIVE PAYMENTS THROUGH APP<br>SO THAT I CAN GET MY REVENUE SECURELY |          |                |
| BV: 500                                                                                            |          | CP: 3          |
| ACCEPTANCE CRITERIA                                                                                |          |                |
| <div>1. Payment reports visible</div> <div>2. Settlement updates every week</div>                  |          |                |

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|-------------------------------------------------------------------------------------------|----------|------------------|
| User Story No: 33                                                                         | Tasks: 2 | Priority: MEDIUM |
| AS A RESTAURANT<br>I WANT TO VIEW CUSTOMER FEEDBACK<br>SO THAT I CAN IMPROVE FOOD QUALITY |          |                  |
| BV: 500                                                                                   |          | CP: 3            |
| ACCEPTANCE CRITERIA                                                                       |          |                  |
| 1) Display ratings and comments                                                           |          |                  |
| 2) Option to respon                                                                       |          |                  |

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|--------------------------------------------------------------------------------------|----------|---------------|
| User Story No: 34                                                                    | Tasks: 2 | Priority: LOW |
| AS A RESTAURANT<br>I WANT TO VIEW REVENUE REPORTS<br>SO THAT I CAN TRACK MY EARNINGS |          |               |
| BV: 200                                                                              |          | CP: 2         |
| ACCEPTANCE CRITERIA                                                                  |          |               |
| 1) Show total revenue<br>2) Display revenue by week/month                            |          |               |

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|-------------------------------------------------------------------------------------------|----------|----------------|
| User Story No: 35                                                                         | Tasks: 2 | Priority: HIGH |
| AS A REGIONAL ADMIN<br>I WANT TO LOGIN<br>SO THAT I CAN MANAGE MY REGION                  |          |                |
| BV: 500                                                                                   |          | CP: 3          |
| ACCEPTANCE CRITERIA<br><br>1) Secure login with credentials<br>2) Logout option available |          |                |

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|------------------------------------------------------------------------------------------------------|----------|----------------|
| User Story No: 36                                                                                    | Tasks: 2 | Priority: HIGH |
| AS A REGIONAL ADMIN<br>I WANT TO TRACK ORDER AND DELIVERY STATUS<br>SO THAT I CAN MONITOR OPERATIONS |          |                |
| BV: 500                                                                                              |          | CP: 2          |
| ACCEPTANCE CRITERIA<br><br>1) Real-time order tracking<br>2) Delivery boy details visible            |          |                |

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|--------------------------------------------------------------------------------------------------------------------|----------|----------------|
| User Story No: 37                                                                                                  | Tasks: 2 | Priority: HIGH |
| AS A REGIONAL ADMIN<br>I WANT TO MANAGE RESTAURANTS AND DELIVERY BOYS<br>SO THAT I CAN CONTROL REGIONAL OPERATIONS |          |                |
| BV: 1000                                                                                                           |          | CP: 8          |
| ACCEPTANCE CRITERIA<br><br>1) Approve/Reject requests<br>2) Suspend/Activate accounts                              |          |                |

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|---------------------------------------------------------------------------------------------------------------------|----------|------------------|
| User Story No: 38                                                                                                   | Tasks: 2 | Priority: MEDIUM |
| AS A REGIONAL ADMIN<br>I WANT TO HANDLE REFUNDS AND ISSUES<br>SO THAT CUSTOMER SATISFACTION IS MAINTAINED           |          |                  |
| BV: 200                                                                                                             |          | CP: 2            |
| ACCEPTANCE CRITERIA<br><br>1) Refund request list<br>2) Approve/Reject refund option<br>3) Issue resolution updates |          |                  |

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|-----------------------------------------------------------------------------------------------------------------|----------|----------------|
| User Story No: 39                                                                                               | Tasks: 2 | Priority: HIGH |
| AS AN ADMIN<br>I WANT TO RESOLVE ESCALATED ISSUES<br>SO THAT THE BUSINESS RUNS SMOOTHLY                         |          |                |
| BV: 500                                                                                                         |          | CP: 3          |
| ACCEPTANCE CRITERIA<br><br>1) Escalation list visible<br>2) Assign issue to support team<br>3) Mark as resolved |          |                |

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|------------------------------------------------------------------------------------------------------|----------|----------------|
| User Story No: 40                                                                                    | Tasks: 2 | Priority: HIGH |
| AS A BUSINESS OWNER<br>I WANT TO VIEW BUSINESS REPORTS<br>SO THAT I CAN ANALYZE PERFORMANCE          |          |                |
| BV: 500                                                                                              |          | CP: 3          |
| ACCEPTANCE CRITERIA<br><br>1. Display revenue summary<br>2. Regional breakdown<br>3. Export to Excel |          |                |

### Question 3– What is epic? Write 2 epics

#### Epic (Simple Definition):

An Epic is a large body of work that cannot be completed in a single sprint. It's a big user requirement that can be broken down into smaller user stories (and sometimes grouped into themes).

- Epic → Theme → User Stories
- Epics represent high-level goals or big features.

#### Epic 1: Customer Order Management

As a customer, I want to browse restaurants, view menus, place orders, and make payments so that I can conveniently get food delivered.

- Stories under this epic: Search restaurants, View menu, Place order, Make payment, Track order, Cancel order, Give feedback.

#### Epic 2: Delivery Boy Order Fulfillment

As a delivery boy, I want to view and accept orders, pick up food, deliver it, and update status so that customers receive their food reliably.

- Stories under this epic: Register/login, View available orders, Accept orders, Update delivery status, View earnings, Raise issues.

### Question 4 –What is the difference between BV and CP

#### BV (Business Value):

- Shows how *important* or *useful* a feature is for the business or customer.
- Focus: Benefits, customer satisfaction, revenue impact.
- Decided by: Product Owner / Business team.
- Example: A feature like “*Online Payment Option*” may have high BV because it directly increases orders.

#### CP (Complexity Points) / CV (Complexity Value):

- Shows how *difficult* or *time-consuming* a feature is to develop.
- Focus: Effort, risk, and technical challenges.
- Decided by: Development team.
- Example: “*Real-time Order Tracking*” may have high CP because it is technically complex to build.

## Question 5 – Explain about Sprint– 5 Marks

### 1. Definition:

A **Sprint** is a short, fixed time-box (usually 1 to 4 weeks) in Agile Scrum during which the Scrum Team works to complete a set of user stories and deliver a usable product increment.

### 2. Key Points:

- Each sprint has a **goal** decided during Sprint Planning.
- Work items are taken from the **Product Backlog** and placed in the **Sprint Backlog**.
- The team meets daily in the **Daily Scrum** to track progress.
- At the end of the sprint, the team delivers a **potentially shippable product increment**.
- The sprint ends with two ceremonies:
  - **Sprint Review** (to show what was built).
  - **Sprint Retrospective** (to reflect and improve the process).

### 3. Example:

If Scrum Foods plans a **2-week sprint**, the team may commit to developing features like *customer login, restaurant search, and payment gateway*. At the end of the sprint, these features should be complete, tested, and ready to use.

## Question 6 – Explain Product backlog and sprint back log

### Product Backlog

#### 1. Definition:

The Product Backlog is a master list of all features, enhancements, bug fixes, and requirements that need to be built for the product.

#### 2. Key Points:

- It is owned and managed by the Product Owner.
- Contains Epics, User Stories, and Tasks prioritized by business value.
- It is a living document – can be updated anytime as new needs arise.
- Example (Scrum Foods): Customer Registration, Online Payment, Real-Time Tracking, Customer Feedback.

### Sprint Backlog

#### 1. Definition:

The Sprint Backlog is the subset of the Product Backlog items that the team commits to completing in a specific sprint.

2. Key Points:

- It is owned by the Development Team.
- Created during Sprint Planning.
- Contains user stories broken into tasks with estimated efforts.
- It is fixed during the sprint (scope should not change).
- Example (Scrum Foods – Sprint 1): Customer Registration, Login, Logout, Restaurant Search.

**Backlog = “What we want to build overall.”**

**Sprint Backlog = “What we will build now in this sprint.”**

**Question 7 – What is impediments log? write 2 impediments**

Impediments Log

1. Definition:

An Impediments Log is a list or record of all the problems, blockers, or obstacles that stop or slow down the Scrum Team from completing their work in a sprint.

2. Key Points:

- Maintained by the Scrum Master.
- Helps track issues until they are resolved.
- Ensures transparency and smooth sprint progress.

**2 Impediments (Scrum Foods Case)**

1. **Technical Impediment:**

*The payment gateway integration is delayed because of missing API documentation from the vendor.*

2. **Resource Impediment:**

*The delivery boy tracking feature is pending because one developer is on unexpected sick leave.*

**Question 8 – Explain Velocity of the Team**

Velocity is the measure of how much work a Scrum Team can complete in a single sprint. It is usually calculated based on the total story points (or complexity points) of the user stories finished during the sprint.



Sprint 1: Team completed 100 story points.

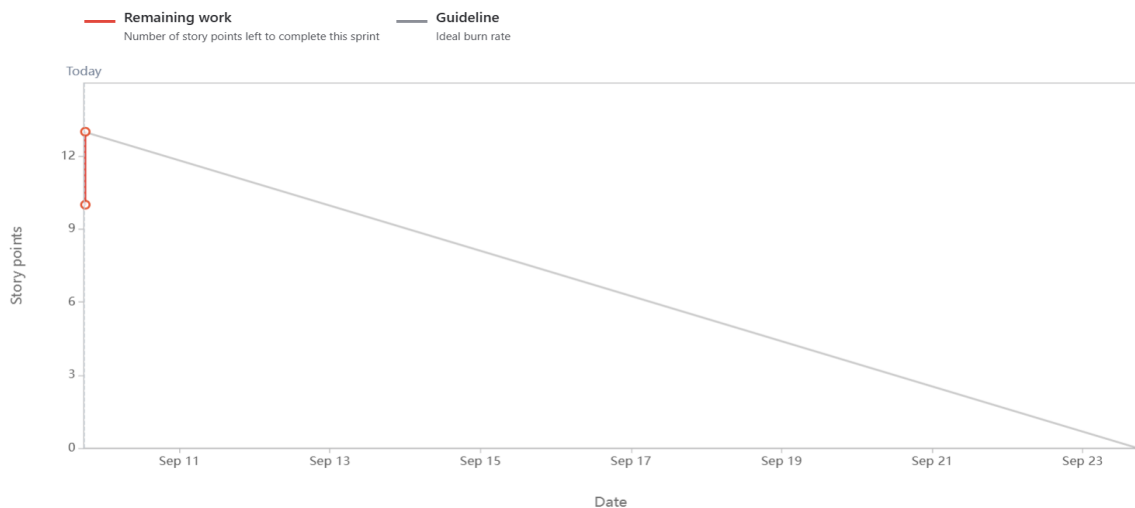
## Question 9 – Draw Sprint Burn Charts n Product Burn Down Charts

### Definition:

A **Sprint Burn Down Chart** is a visual graph that shows the amount of work remaining in a sprint day by day.

### Explanation:

- It helps the team see if they are on track to finish the sprint on time.
- The **ideal line** shows expected progress, while the **actual line** shows real progress.
- If the actual line is above the ideal, the team is behind schedule; if below, they are ahead.



### Definition:

A **Product Burn Down Chart** is a graph that shows the total amount of work remaining in the entire product backlog across multiple sprints.

### Explanation:

- It helps track overall project progress toward release.
- The **ideal line** shows expected progress for the whole project.
- The **actual line** shows how fast the team is burning down work across sprints.
- It allows stakeholders to predict **when the product will be ready**.

## Question 10 – Explain about Product Grooming

Product Grooming (also called Backlog Refinement) is the process of reviewing, updating, and prioritizing items in the Product Backlog to ensure that it is clear, detailed, and ready for upcoming sprints.

- Conducted regularly (often once per sprint).
- Attended by the Product Owner, Scrum Master, and Development Team.
- Ensures backlog items are:
  - Well-defined and understood.
  - Properly prioritized by **business value**.
  - Estimated in terms of **effort (story points)**.
- Helps avoid confusion during sprint planning.

## Question 11 – Explain the roles of Scrum Master and Product Owner

### 1. Scrum Master

Definition:

A Scrum Master is the facilitator of the Scrum Team who ensures that the team follows Scrum principles, removes impediments, and helps improve team performance.

Key Responsibilities:

- Acts as a coach for the Scrum Team.
- Facilitates Scrum ceremonies (Sprint Planning, Daily Scrum, Sprint Review, Retrospective).
- Maintains the Impediments Log and resolves blockers.
- Shields the team from outside distractions.
- Promotes continuous improvement and collaboration.

### Example (Scrum Foods):

If the payment gateway API is delayed, the Scrum Master contacts the vendor and helps the team get the required documentation to continue development.

## 2. Product Owner

A Product Owner (PO) is the person responsible for defining the product vision, managing the product backlog, and ensuring the team delivers features that provide maximum business value.

Key Responsibilities:

- Owns and manages the Product Backlog.
- Prioritizes user stories based on Business Value (BV).
- Acts as the bridge between stakeholders and the team.
- Ensures clarity of requirements and acceptance criteria.
- Decides what features should be built and in what order.

### Example (Scrum Foods):

If customers demand real-time order tracking, the Product Owner prioritizes this feature above others like “dark theme UI,” because it adds higher business value.

## Question 12 – Explain all Meetings Conducted in Scrum Project

### 1. Sprint Planning

**Definition:** A meeting held at the beginning of a sprint where the Scrum Team plans what work will be done.

**Purpose:** To define the Sprint Goal and create the Sprint Backlog.

**Participants:** Product Owner, Scrum Master, Development Team.

**Example (Scrum Foods):** The team selects stories like *Customer Login* and *Restaurant Search* for Sprint 1.

### 2. Daily Scrum (Stand-up)

**Definition:** A short **15-minute daily meeting** where the team syncs up.

**Purpose:** To check progress and identify impediments.

**Questions discussed:**

- What did I do yesterday?
- What will I do today?
- Any blockers?

**Participants:** Development Team (Scrum Master may facilitate).

**Example:** A developer mentions “*Payment API is not working*” → Scrum Master notes it as an impediment.

### 3. Sprint Review

**Definition:** Meeting at the end of the sprint to demonstrate the **completed work** to stakeholders.

**Purpose:** To gather **feedback** and inspect the product increment.

**Participants:** Scrum Team + Stakeholders.

**Example:** Scrum Foods team showcases *real-time tracking feature* to customers and gathers feedback.

### 4. Sprint Retrospective

**Definition:** A meeting after the Sprint Review to reflect on the sprint process.

**Purpose:** To discuss **what went well, what went wrong, and how to improve** in the next sprint.

**Participants:** Scrum Master, Product Owner, Development Team.

**Example:** Team decides to improve **testing automation** to avoid delays in future sprints.

### ◆ 5. Backlog Refinement (Product Grooming)

**Definition:** Ongoing meeting where the Product Backlog is reviewed and updated.

**Purpose:** To clarify, split, and prioritize user stories for upcoming sprints.

**Participants:** Product Owner, Scrum Master, Development Team.

**Example:** The “*Order History*” epic is broken into smaller user stories like *View Past Orders* and *Reorder Food*.

## Question 13 – Explain Sprint Size and Scrum Size– 2 Marks

### Sprint Size

**Definition:** Sprint size means the time duration of a sprint, usually between 1 to 4 weeks, depending on the project and team capacity.

**Example:** Scrum Foods decides on a 2-week sprint cycle to deliver small increments quickly.

### Scrum Size

**Definition:** Scrum size means the team size in a Scrum project, usually 8 to 9 members (small, cross-functional team).

**Example:** A Scrum Foods team may include 1 Product Owner, 1 Scrum Master, and 6 Developers/Testers.

## Question 14 – Explain DOR and DOD – 2 Marks

### **Definition of Ready (DoR)**

- **Definition:** DoR means a **user story is clear, well-defined, and ready** for the team to start working on in a sprint.

### **Definition of Done (DoD)**

- **Definition:** DoD means a **user story is fully completed** as per acceptance criteria, tested, reviewed, and potentially shippable.

## **Question 15 – Explain Prioritization Techniques and MVP**

### **1. Prioritization Techniques**

#### **Definition:**

Prioritization techniques are methods used by the Product Owner to decide which backlog items (features, user stories) should be developed first based on business value, urgency, and customer needs.

#### **Common Techniques:**

1. **MoSCoW Method** – Classifies requirements into:

- a. **Must Have**
- b. **Should Have**
- c. **Could Have**
- d. **Won't Have (for now)**

**2. Business Value vs. Complexity (BV vs. CP Matrix)** – Selects features that provide high business value with low complexity first.

### **2. MVP (Minimum Viable Product)**

#### **Definition:**

An MVP is the smallest version of the product that delivers the core features to customers and provides quick feedback for improvements.

#### **Key Points:**

- Developed early to test market demand.
- Saves time, cost, and effort.
- Allows continuous improvement based on real customer feedback.

## **Question 16 – Difference between Business Analyst n Product Owner**

## Business Analyst (BA)

- **Definition:** A BA is responsible for eliciting, analyzing, and documenting requirements by interacting with stakeholders.
- **Focus:** Ensures requirements are clear and aligned with business needs.
- **Role in Scrum Foods Example:** BA documents feature like “*Real-time food tracking*” after discussions with customers.

## Product Owner (PO)

- **Definition:** A PO is responsible for managing the product backlog and ensuring the team builds the right product features.
- **Focus:** Prioritizes requirements and defines product vision.
- **Role in Scrum Foods Example:** PO decides whether “*Real-time food tracking*” is more important than “*Discount Coupons*” and sets backlog priority.

## Question 17 – Prepare a sample Resume of 3yrs exp Product Owner

### Rahul Mehta

■ Bangalore, India | ■ rahul.mehta@email.com | ■ +91-9876543210 | ■ LinkedIn: linkedin.com/in/rahulmehta

### Professional Summary

Product Owner with 3 years of experience in Agile Scrum environments, skilled at backlog management, requirement prioritization, and stakeholder communication. Proven track record of delivering customer-centric products, increasing business value, and ensuring smooth collaboration between development teams, business stakeholders, and customers. Strong knowledge of Agile, Scrum, and product lifecycle management.

### Key Skills

Agile & Scrum Methodologies (Certified Scrum Product Owner – CSPO)  
Product Backlog & Sprint Planning  
Requirement Gathering & User Stories (DoR & DoD)  
Prioritization Techniques (MoSCoW, Kano, WSJF)  
Stakeholder & Customer Communication  
Wireframing & Prototyping (Figma, Balsamiq)  
Tools: Jira, Confluence, Trello, MS Excel, Power BI  
Domain Knowledge: E-commerce, Food Delivery Apps, SaaS

### Professional Experience

#### Product Owner – Scrum Foods Pvt Ltd, Bangalore

Jan 2022 – Present

- Managed a product backlog of 80+ user stories, ensuring alignment with product vision.
- Prioritized features using MoSCoW and WSJF techniques, increasing delivery of high-value items by 30%.
- Worked with cross-functional Scrum teams to deliver real-time order tracking and 24/7 customer support features.
- Conducted product grooming sessions, ensuring stories met the Definition of Ready (DoR).
- Collaborated with stakeholders to refine requirements and boost customer satisfaction by 25%.
- Released MVP in 4 sprints, adopted by 10K+ customers within 3 months.

#### Associate Product Analyst – Techno Solutions, Bangalore

Jul 2020 – Dec 2021

- Assisted Product Owner in backlog refinement and sprint planning.
- Documented requirements in the form of epics and user stories.
- Coordinated UAT sessions and resolved issues before release.
- Improved reporting dashboards for management, resulting in 15% faster decision-making.

### Education

Bachelor of Technology (B.Tech), Computer Science – VTU, Karnataka (2017 – 2020)

### Certifications

- Certified Scrum Product Owner (CSPO) – Scrum Alliance
- Agile Business Analysis – IIBA
- Jira Agile Project Management – Atlassian

### Projects (Highlights)

- Scrum Foods Delivery App – Built MVP with core features (real-time tracking, multiple payment modes, and feedback system).
- E-commerce SaaS Tool – Helped prioritize features for small businesses, increasing adoption by 40%.