**Capstone Project 2 –Agile-Scrum**

Scrum Project Name: Scrum Foods (Foods Delivery Applications)

Scrum Project Description:

Scrum Foods provides fast, reliable online food delivery application targeting customers

of all age group offering 24/7 service along with tracking of the delivery real time.

Question 1 – write Agile Manifesto – 8 Marks

Answer-

Agile Manifesto – 4 Core Values-

1. **Individuals and interactions** over processes and tools
2. **Working software** over comprehensive documentation
3. **Customer collaboration** over contract negotiation
4. **Responding to change** over following a plan

Agile Manifesto - 12 Principles-

1. Our highest priority is to satisfy the customer through early and continuous delivery of valuable software.
2. Welcome changing requirements, even late in development. Agile processes harness change for the customer’s competitive advantage.
3. Deliver working software frequently, from a couple of weeks to a couple of months, with a preference for the shorter timescale.
4. Business people and developers must work together daily throughout the project.
5. Build projects around motivated individuals. Give them the environment and support they need and trust them to get the job done.
6. The most efficient and effective method of conveying information to and within a development team is face-to-face conversation.
7. Working software is the primary measure of progress.
8. Agile processes promote sustainable development. The sponsors, developers and users should be able to maintain a constant pace indefinitely.
9. Continuous attention to technical excellence and good design enhances agility.
10. Simplicity- the art of maximizing the amount of work not done-is essential.
11. The best architectures, requirements, and designs emerge from self-organizing teams.
12. At regular intervals, the team reflects on how to become more effective, then tunes and adjusts its behaviour accordingly.

Question 2 – User Stories- Acceptance Criteria-BV-CP – 40 Marks

Write minimum 40 User stories and their Acceptance Criteria along with their BV and CP

Answer-

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| User Story No: 01 | Tasks: User Registration | | Priority: High |
| Aa a Customer  I want to Register an account  So that I Can Order food easily | | | |
| BV: 1000 | | CP: 03 | |
| Acceptance Criteria:  1) User can click on register option  2) User can enter personal information  3) User can create an account with email/phone | | | |

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| User Story No: 02 | Tasks: Authentication | | Priority: High |
| Aa a Customer  I want to Log in with credentials  So that I can Access my account | | | |
| BV: 1000 | | CP: 03 | |
| Acceptance Criteria:  1) Click on Login  2) Enter user name and password  3) Login works with correct credentials | | | |

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| User Story No: 03 | Tasks: UI Navigation | | Priority: High |
| As a Customer  I want to Browse restaurant list  So that I can Choose from various options | | | |
| BV: 1000 | | CP: 05 | |
| Acceptance Criteria:  1) Click on search option  2) select restaurant option from dropdown  3) Restaurants are listed based on location | | | |

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| User Story No: 04 | Tasks: Menu Display | | Priority: High |
| As a Customer  I want to View menu items  So that I Can See food details | | | |
| BV: 1000 | | CP: 05 | |
| Acceptance Criteria:  1) click on menu option  2) select veg/non-veg option  3) Menu items show name, price, and image | | | |

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| User Story No: 05 | Tasks: Search Feature | | Priority: High |
| As a Customer  I want to Search for food items  So that I can Quickly find desired food | | | |
| BV: 500 | | CP: 08 | |
| Acceptance Criteria:  1) click on restaurant name  2) display menu list  3) Search returns relevant results | | | |

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| User Story No: 06 | Tasks: Filtering | | Priority: Medium |
| As a Customer  I want to Filter by cuisine/type  So that I can Find food per preference | | | |
| BV: 500 | | CP: 08 | |
| Acceptance Criteria:  1) Click on menu  2) Click on filter option (Rating High to Low, Rating Low to High, Price High to Low, Price Low to High  3) Filters work properly | | | |

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| User Story No: 07 | Tasks: Cart Management | | Priority: High |
| As a customer  I want to Add food items to cart  So that I can Place an order | | | |
| BV: 1000 | | CP: 08 | |
| Acceptance Criteria:  1) Choose food item  2) if quality more select on add 1, 2  3) Selected food items appear in cart | | | |

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| User Story No: 08 | Tasks: Cart Update | | Priority: High |
| As a customer  I want to Modify food quantity  So that I can Order correct amount | | | |
| BV: 1000 | | CP: 08 | |
| Acceptance Criteria:  1) If want to change quantity click in on (–) button  2) Not required food item remove from the cart option  3) User can update quantity before checkout | | | |

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| User Story No: 09 | Tasks: Discount Feature | | Priority: Medium |
| As a customer  I want to apply discount codes  So that I can save money on orders | | | |
| BV: 500 | | CP: 08 | |
| Acceptance Criteria:  1) Click on discount and offers  2) Select discount option show like credit card, debit card or coupon code  3) Discount applies if valid | | | |

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| User Story No: 10 | Tasks: Payment Integration | | Priority: High |
| As a customer  I want to choose payment method  So that I can complete the purchase | | | |
| BV: 1000 | | CP: 13 | |
| Acceptance Criteria:  1) Select on payment option  2) select options for card, UPI, COD  3) click on proceed payment | | | |

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| User Story No: 11 | Tasks: Live Tracking | | Priority: High |
| As a customer  I want to track my order in real-time  So that I can know estimated delivery time | | | |
| BV: 1000 | | CP: 13 | |
| Acceptance Criteria:  1) click on track order status  2) Internet connectivity is must  3) GPS tracking updates dynamically | | | |

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| User Story No: 12 | Tasks: Notifications | | Priority: High |
| As a customer  I want to receive order status updates  So that I can stay informed on order progress | | | |
| BV: 1000 | | CP: 08 | |
| Acceptance Criteria:  1) after clicking on track order  2) screen display status like accepted, preparing, on the way, Delivered  3) SMS/Push updates on order | | | |

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| User Story No: 13 | Tasks: Review System | | Priority: Medium |
| As a customer  I want to rate & review food  So that I can share my experience | | | |
| BV: 500 | | CP: 08 | |
| Acceptance Criteria:  1) click on rating and review option  2) add review and rate from 0 to 5 star  3) User can leave ratings and comments | | | |

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| User Story No: 14 | Tasks: Address Book | | Priority: Medium |
| As a customer  I want to save delivery addresses  So that I can order faster next time | | | |
| BV: 500 | | CP: 08 | |
| Acceptance Criteria:  1) click on add address  2) click on save current address  3) User can save and manage multiple addresses | | | |

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| User Story No: 15 | Tasks: Order History | | Priority: Medium |
| As a customer  I want to reorder previous orders  So that I can save time on repeat orders | | | |
| BV: 500 | | CP: 08 | |
| Acceptance Criteria:  1) Click on order history  2) select preferred repeat order  3) Users can view and reorder past orders | | | |

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| User Story No: 16 | Tasks: Order Cancellation | | Priority: High |
| As a customer  I want to cancel my order  So that I can change plans if needed | | | |
| BV: 1000 | | CP: 08 | |
| Acceptance Criteria:  1) Click on cancel order  2) add reason of cancel order  3) Cancellation works within a set time limit | | | |

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| User Story No: 17 | Tasks: Refund Process | | Priority: Medium |
| As a customer  I want to request a refund  So that I can get money back if order is wrong | | | |
| BV: 500 | | CP: 13 | |
| Acceptance Criteria:  1) Click on refund option  2) Add reason of refund  3) Refund initiates per policy | | | |

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| User Story No: 18 | Tasks: Support System | | Priority: High |
| As a customer  I want to contact customer support  So that I can resolve order issues | | | |
| BV: 1000 | | CP: 08 | |
| Acceptance Criteria:  1) Click on Customer service support  2) add comments or click on chat and call with customer care  3) Chat/call support is available | | | |

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| User Story No: 19 | Tasks: Profile Settings | | Priority: Medium |
| As a customer  I want to set food preferences  So that I can avoid allergens or dislikes | | | |
| BV: 500 | | CP: 08 | |
| Acceptance Criteria:  1) Click on Profile  2) Click on adding instructions and notes  3) Adding text like allergies and dislikes  4) Preferences are saved for future orders | | | |

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| User Story No: 20 | Tasks: Scheduled Orders | | Priority: Medium |
| As a customer  I want to option for scheduled delivery  So that I can get food at my desired time | | | |
| BV: 500 | | CP: 13 | |
| Acceptance Criteria:  1) Click Schedule order  2) add available timing for receiving order  3) User can set delivery time before checkout | | | |

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| User Story No: 21 | Tasks: Registration Process | | Priority: High |
| As a restaurant owner  I want to register my restaurant  So that I can start receiving orders | | | |
| BV: 1000 | | CP: 05 | |
| Acceptance Criteria:  1) click on registration option as business  2) add details in given form  3) Restaurant account created successfully | | | |

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| User Story No: 22 | Tasks: Menu Management | | Priority: High |
| As a restaurant owner  I want to manage menu items  So that I can keep menu updated | | | |
| BV: 1000 | | CP: 08 | |
| Acceptance Criteria:  1) click on login  2) After login click on edit menu option  3) Items can be added/removed | | | |

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| User Story No: 23 | Tasks: Pricing Updates | | Priority: Medium |
| As a restaurant owner  I want to set pricing for food  So that I can control my earnings | | | |
| BV: 500 | | CP: 08 | |
| Acceptance Criteria:  1) Click on login option  2) Click on update information, select price and make changes accordingly  3) Price updates reflect instantly | | | |

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| User Story No: 24 | Tasks: Order Dashboard | | Priority: High |
| As a restaurant owner  I want to view incoming orders  So that I can prepare food accordingly | | | |
| BV: 1000 | | CP: 08 | |
| Acceptance Criteria:  1) Click on Order Dashboard  2) Click on Current Orders  3) Orders appear in real-time | | | |

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| User Story No: 25 | Tasks: Order Management | | Priority: High |
| As a restaurant owner  I want to update order status  So that I can inform customers about progress | | | |
| BV: 1000 | | CP: 08 | |
| Acceptance Criteria:  1) Click on order status  2) Add Status or order like Preparing, Prepared, Order for delivery etc.  3) Status updates reflect instantly | | | |

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| User Story No: 26 | Tasks: Promotions | | Priority: Medium |
| As a restaurant owner  I want to manage discounts & offers  So that I can attract more customers | | | |
| BV: 500 | | CP: 08 | |
| Acceptance Criteria:  1) Click on discounts and offers  2) Add current offers and discounts on food items  3) Discounts set on menu items | | | |

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| User Story No: 27 | Tasks: Order Assignment | | Priority: High |
| As a delivery agent  I want to accept orders for delivery  So that I can start delivery process | | | |
| BV: 1000 | | CP: 05 | |
| Acceptance Criteria:  1) Click on orders  2) Agents can accept/reject orders  3) Agent can accept/reject order according to location | | | |

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| User Story No: 28 | Tasks: Navigation System | | Priority: High |
| As a delivery agent  I want to view optimized delivery route  So that I can deliver food efficiently | | | |
| BV: 1000 | | CP: 08 | |
| Acceptance Criteria:  1) Click on Locations  2) Select routs option  3) Map integration shows the fastest route | | | |

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| User Story No: 29 | Tasks: Delivery Confirmation | | Priority: High |
| As a delivery agent  I want to mark order as delivered  So that I can complete the task | | | |
| BV: 1000 | | CP: 08 | |
| Acceptance Criteria:  1) After delivered order click on order status  2) Click and update status as delivered  3) Orders marked as delivered | | | |

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| User Story No: 30 | Tasks: Payment Process | | Priority: High |
| As a delivery agent  I want to receive delivery earnings  So that I can get paid for my work | | | |
| BV: 1000 | | CP: 08 | |
| Acceptance Criteria:  1) Click on my orders  2) Submit total count of orders  3) Payments are processed automatically | | | |

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| User Story No: 31 | Tasks: Order Tracking | | Priority: High |
| As a Admin  I want to Monitor all orders  So that I can Ensure smooth operations | | | |
| BV: 1000 | | CP: 08 | |
| Acceptance Criteria:  1) Click on Order tracking option  2) Admin dashboard lists all orders  3) Click on current orders | | | |

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| User Story No: 32 | Tasks: User Management | | Priority: High |
| As a admin  I want to manage user accounts  So that I can control access | | | |
| BV: 1000 | | CP: 08 | |
| Acceptance Criteria:  1) Click on User accounts  2) Check account status and activity  3) Admin can activate/deactivate users | | | |

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| User Story No: 33 | Tasks: Complaints Resolution | | Priority: High |
| As a Admin  I want to Resolve Complaints  So that I can Handle complaints | | | |
| BV: 1000 | | CP: 08 | |
| Acceptance Criteria:  1) Click on Complaints and issue option  2) Select open issues option  3) Admin can take action on Complaints | | | |

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| User Story No: 34 | Tasks: Reporting System | | Priority: Medium |
| As a Admin  I want to Generate reports  So that I can Analyze business performance | | | |
| BV: 500 | | CP: 13 | |
| Acceptance Criteria:  1) Click on reports of Application  2) Click on generate report  3) Reports provide insights on revenue, orders | | | |

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| User Story No: 35 | Tasks: Notification System | | Priority: High |
| As a Admin  I want to Send notifications  So that I can Communicate with users | | | |
| BV: 1000 | | CP: 08 | |
| Acceptance Criteria:  1) Click on Notifications  2) add required notifications like offers and updates  3) Admin send system-wide alerts | | | |

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| User Story No: 36 | Tasks: Verification Process | | Priority: Medium |
| As a Admin  I want to Verify restaurants  So that I can Ensure quality service | | | |
| BV: 500 | | CP: 08 | |
| Acceptance Criteria:  1) Click on verification requests  2) Check pending requests and give approval  3) Restaurants need approval before going live | | | |

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| User Story No: 37 | Tasks: Delivery Options | | Priority: Medium |
| As a customer  I want to select preferred delivery speed  So that I can choose between express or standard | | | |
| BV: 500 | | CP: 08 | |
| Acceptance Criteria:  1) Select Delivery option  2) Click on choose delivery type like express and standard  3) Options available before checkout  4) Select option according to preference | | | |

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| User Story No: 38 | Tasks: Multi-Restaurant Orders | | Priority: Medium |
| As a customer  I want to order from multiple restaurants  So that I can get variety in one order | | | |
| BV: 500 | | CP: 13 | |
| Acceptance Criteria:  1) Select orders from one restaurant and then click on add more item from other restaurant  2) Click on restaurant and select menu  3) Orders from different restaurants are possible | | | |

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| User Story No: 39 | Tasks: Loyalty Program | | Priority: Medium |
| As a customer  I want to earn rewards for frequent orders  So that I can get discounts & perks | | | |
| BV: 500 | | CP: 13 | |
| Acceptance Criteria:  1) click on rewards and select loyalty program  2) view order item and submit  3) Reward points are tracked in the app | | | |

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| User Story No: 40 | Tasks: Referral Program | | Priority: Medium |
| As a customer  I want to share referral codes  So that I can invite friends and earn rewards | | | |
| BV: 500 | | CP: 08 | |
| Acceptance Criteria:  1) Click on Referral Program  2) Click on link and share link on other apps  3) Users share referral links for multiple peoples | | | |

Question 3– What is epic? Write 2 epics – 5 Marks

Business Value and Complexity Points

Answer- EPIC- an epic is large user story or a collection of related user stories that represents a significant feature or functionality and they are also consider as a “really big user story”.

2 Epics-

Epic 1: Food Ordering and Customization

As a customer, I want to browse restaurants, select food items, customize my order, and place an order online so that I can get my favourite meals delivered to my location.

Epic 2: Real-time Order Tracking and Notifications

As a customer, I want to track my food order in real-time and receive updates about order confirmation, preparation, dispatch, and estimated delivery time so that I can stay informed about my order status.

Question 4 –What is the difference between BV and CP – 2 Marks

Answer-

BV- BV is known as Business Values. BV represents the overall values that a user story or feature brings to the business or organization. Business Value is how important is this feature (user Story) to the Business. This is estimated by Scrum Currency Notes. These estimations are done by the Stakeholders (Clients). If different values are selected by the stakeholders, then discussions will happen, and they agree to one BV value to that user story.

Techniques used in BV: Moscow, Currency notes technique.

CP- CP is Complexity Points, CP is also known as Story Points (SP). CP represents the importance and urgency of a user story or feature from the perspective of the customer or end user. CP is the effort required by the Scrum Developers to develop this feature (user story) using technology. Efforts include time taken to solve the complexity and write the code. CP is estimated by the Scrum Developers by using Poker cards.

Techniques used in CV: Planning poker

Question 5 –Explain about Sprint– 5 Marks

Answer-

A sprint is scrum based agile methodology concept that is similar to an iteration. A sprint is a time boxed to deliver a specific set of user stories and produced working features within set time period. During a sprint planning, the business customer or product owner specifies the user story priority and development team commit to the scope for the given sprint. During a sprint, user stories can be removed the sprint scope, but new stories cannot be added, this allows project teams to focus on the goals of the sprint and deliver rapidly.

A sprint typically lasts **1 to 4 weeks**, with a preference for shorter durations to enable quicker feedback and adjustments. Each sprint has a **Sprint Goal**, which defines what needs to be achieved within that time frame. The team selects user stories from the Product Backlog and commits to completing them in the sprint. A 15-minute daily meeting where team members discuss progress, roadblocks, and the next steps. Type of meeting happened in sprint is

1) sprint planning meeting

2) Daily scrum meeting

3) Sprint review meeting

4) Sprint retrospective meeting.

Question 6 – Explain Product backlog and sprint back log– 5 Marks

Answer-

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| No. | Product Backlog | Sprint Backlog |
| 1. | It is anything that needed to accomplished the Project vision | It is anything that needed to fulfil the sprint goal |
| 2. | Product backlog managed by Product Owner | Sprint backlog managed by Development team |
| 3. | It Contains requirement, defect and tasks. | It is subset of product backlog items defined as a priority by the product Owner. |
| 4. | Everyone contributes to product backlog | Only development teams contribute in sprint backlog |
| 5. | Product Backlog refinement meeting is to refine the product backlog | Sprint planning meeting is to refine the sprint backlog items |
| 6. | Release burndown metric is used | Sprint burndown metric is used |
| 7. | Estimation done at user story level | Estimation done at the activity and task level |
| 8. | Daily stand up meeting does not discuss product backlog items | Daily stand up meeting discusses the sprint backlog in accordance with sprint goal |
| 9. | Product backlog evolves and changes done by the PO through the product lifecycle | No changes are allowed in sprint backlog items once the sprint has started |

Question 7 – What is impediments log? write 2 impediments – 5 Marks

Answer-

An impediment log also known as an issue log or obstacle log, is a document or tool used in Agile software development to track and manage obstacles, bottleneck or any factors that impede the progress of the project or team.

Impediments Log:

Log Id: 1

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| Log Id: | 1 |
| Description | Delivery partner shortage in a specific area |
| Impact | Delayed in order delivery and increased customer dissatisfaction |
| Priority | High |
| Assign to | Operation Team and HR Team |
| Status | Open |
| Action taken | The Operation team is actively recruiting new delivery partners in the region and HR Team is working on fast tracking the onboarding Process |
| Resolution | Delivery partner recruiting efforts are ongoing and Hr team streamlining the onboarding process for new hires. Regular updates are providing in team meeting |

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| Log Id: | 2 |
| Description | Technical issues in order tracking |
| Impact | Delayed in order tracking and processing |
| Priority | High |
| Assign to | Technical team and QA team |
| Status | In progress |
| Action taken | The Technical team is actively identify root causes and working on fix the issue and QA Team is conducting testing to ensure the issue is resolved |
| Resolution | Technical team has implemented a fix and conducted through the testing. The issues has been resolved and order track smoothly |

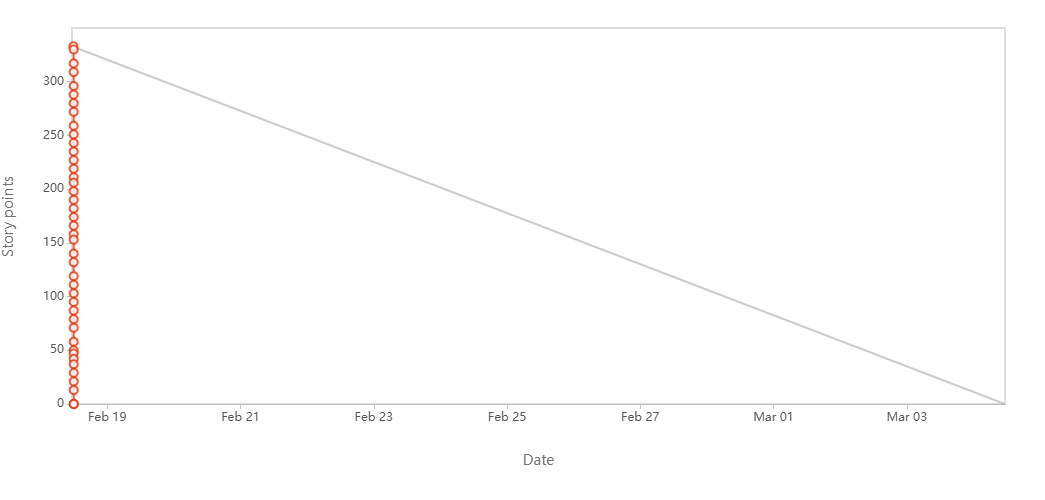
Question 8 – Explain Velocity of the Team – 1 Marks

Answer-

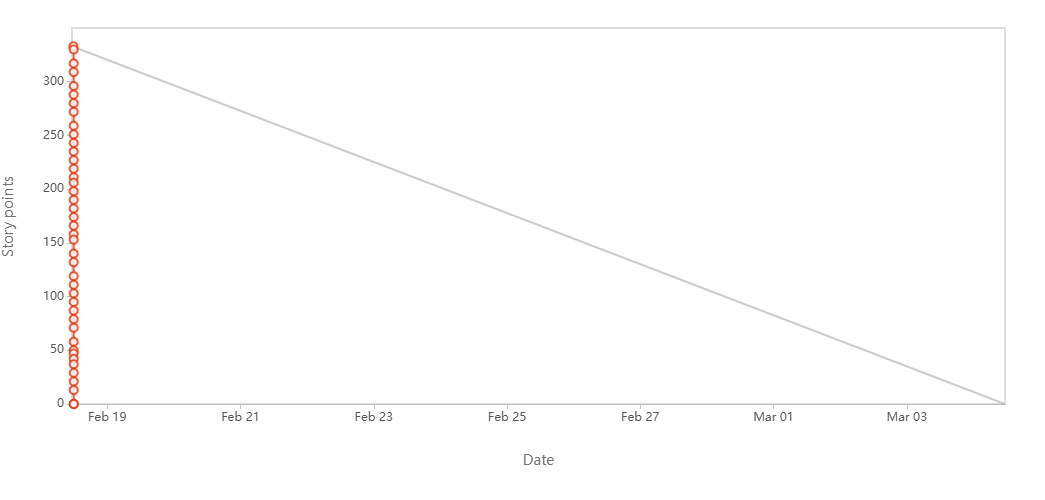
Velocity refers to the measure of the amount of work a development team can complete during sprint. The Calculation of velocity is performed by Development team itself, as they are responsible for estimating the effort required to complete each user story or backlog item.

Question 9 – Draw Sprint Burn Charts n Product Burn Down Charts– 3 Marks

* Sprint Burn Charts



* Product Burn Down Charts



Time- Sprints

Sprint

Question 10 – Explain about Product Grooming – 2 Marks

Answer-

Product grooming also known as backlog grooming or refinement, is an important activity in Agile Software development that involves reviewing, prioritizing and refining items in the product backlog.

The goal of product grooming is to ensure that the backlog is well prepared, organized and ready for implementation in upcoming sprints.

Its typically collaborative efforts involving the product owner, development team and other relevant stakeholders.

Question 11 – Explain the roles of Scrum Master and Product Owner – 3 Marks

Scrum Master:

1. Acts as a team coach and is responsible for maintaining the quality of the product.
2. Ensures the scrum framework is followed and helps the development team create a quality product.
3. Accountable for the quality of the entire project and for giving updates to management about the completion of the product.
4. Report to top management about the efficiency of the team and the quality of the product.
5. Thorough knowledge of scrum theory and practices. Being able to lead a team but without a sense of authority.

Product Owner:

1. Collaborates with all stakeholders and brings the vision of a product into the product backlog
2. Responsible for completing the project on time. Acts as an intermediary between the development team and the customer.
3. Responsible for the project backlog. The timely completion of the product and for providing updates to the clients and stakeholders.
4. Reports to top management and the clients.
5. Communication and leadership skills, creativity, critical thinking and a sharp mind are key assets for any Product Owner.

Question 12 – Explain all Meetings Conducted in Scrum Project – 8 Marks

Answer-

Meetings:

Sprint Planning Meeting-This happens at the beginning of each sprint and team decides on what they will be delivering in the sprint. Entire team involved in scrum planning meeting. The product owner shares the prioritize product backlog item and the development team collaborates to select the items they will work on during the sprint.

Daily Scrum Meeting – This is short daily meeting, typically lasting 15 minutes, involves the development team. Each team member shares their progress, this happens each day where team will just answer 3 questions:

1) What did you do today?

2) what will you do tomorrow?

3) Are there any impediments that is slowing or stopping you?

Sprint Review Meeting – At the end of each sprint, the sprint review meeting take place. This happens at the end of the sprint where team will demo the completed stories to product owner and get it cleared. The team demonstrate the functionality or features implemented and gathers feedback.

Sprint Retrospective Meeting - This happens at the end of the sprint where team will answer these 3 questions:

1)What went well in the sprint?

2) what did not go well?

3) What are the required areas of improvements in next sprint?

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

Answer-

Sprint Size- The sprint size refers to the length or duration of the sprint in scrum. A sprint is a time boxed period during which the development team work to deliver a potentially shippable product increment. The sprint size is determined during the project planning phase and typically ranges from one to four weeks. The most common sprint duration is two weeks, but it can vary depending on the project’s needs, complexity and team dynamics.

Scrum Size- The Scrum team size refers to the number of individuals who collaborate together to deliver the product increment in scrum. The scrum team is self-organizing and cross functional, typically consisting of a Product owner, a scrum master and the development team. The recommended scrum team size is small, ideally between five to nine members to enable effective communication, collaboration and flexibility. However, there are no strict rules regarding team size and it may vary depending on the specific project requirements and organization.

Question 14 – Explain DOR and DOD – 2 Marks

Answer-

DOR- (Definition of Ready)- The Definition of Ready defines the criteria that a user story must meet before it is considered ready to be included in a sprint. It ensures that the team has sufficient information and clarity about the user story, reducing the likelihood of misunderstanding or delays during the sprint.

The user story has a clear and concise description, including the expected behaviour or functionality.

The acceptance criteria for the user story, are well-defined and agreed upon by the product owner and the development team.

The user story is appropriately sized or estimated in story points or other relevant unit.

Any dependencies or external resources needed for the user story are identified and accessible.

DOD- (Definition of Done)- The Definition of Done outline the criteria that a user story or any other backlog item must meet to be considered complete and ready for release. It establishes a shared understanding of what it means for work to be considered “done” and ensures that all necessary aspects, such as quality, testing and documentation are addressed.

The code for the user story is implemented, reviewed and merged into the main codebase.

Automated tests are created and passing, ensuring that the implemented functionality functions correctly and does not introduce regressions.

The user story is thoroughly tested and validated against the defined acceptance criteria.

The user interfaces (UI) or user experience (UX) aspects related to the user story are implemented and reviewed.

The user story is documented, including any relevant instructions, guides or release notes.

The product owner has reviewed and accepted the user story as meeting the expected requirement.

Question 15 – Explain Prioritization Techniques and MVP – 3 Marks

Answer-

Prioritization Techniques- (MOSCOW)-

It is a prioritization technique used in business analysis and software development to reach a common understanding with stakeholders on the importance they place on the delivery of each requirement -also known as MOSCOW prioritization or MOSCOW analysis.

The MOSCOW method can help. MOSCOW stands for must, should, could and would:

M-Must have this requirement to meet the business needs,

S-Should have this requirement if possible, but project success does not rely on it. anything else in the project.

C-Could have this requirement if it does not affect W-Would like to have this requirement later, but it won't be delivered this time.

MVP- Minimum Viable product-

A Minimum Viable Product (MVP) is the simplest version of a product that includes only the core features required to solve a problem and deliver value to early users. It helps teams gather feedback, validate ideas, and improve iteratively.

**Focus on Core Functionality** - Only includes essential features.

**Quick to Develop** - Built in a short time to test the idea.

**User Feedback Driven** - Helps collect early feedback for improvements.

**Cost-Effective** - Avoids unnecessary investment in unwanted features.

**Iterative Growth** - Expands based on user needs and market demand.

Question 16 – Difference between Business Analyst n Product Owner – 3 Marks

Answer-

|  |  |
| --- | --- |
| Business Analyst | Product Owner |
| BA Analyzes business needs, gathers requirements, and ensures alignment with business goals. | Product Owner owns the product vision, prioritizes backlog, and ensures value delivery. |
| BA involved in Requirement gathering, process analysis, documentation, stakeholder communication. | Product Owner managing product backlog, defining priorities, and working closely with the development team. |
| BA provides insights and recommendations but does not make final product decisions. | Product Owner Makes final product decisions, including backlog prioritization. |
| BA works with stakeholders to understand business problems and define solutions. | Product Owner Collaborates with stakeholders, customers, and the development team to maximize product value. |
| BA Worked on Enterprise Analysis, Competitive Analysis, Market strategy, and made Product roadmap, Product backlog and release planning | Product Owner Worked on Non- Functional requirements, User Story, Requirement Strategies |

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

Answer-

