Question1: Agile Manifesto

Agile Manifesto is what are the values and Principles to be considered while working in Agile. It is nothing but a document that outlines the 4 basic Values of Agile and 12Principles of Agile.

**Four Main Values**

**Individuals and interactions over processes and tools**: Emphasizes the importance of people and effective communication in the development process, rather than relying solely on tools or rigid processes.

**Working software over comprehensive documentation**: Focuses on delivering functional software that provides value, rather than spending excessive time on detailed documentation.

**Customer collaboration over contract negotiation**: Prioritizes continuous collaboration with customers to meet their evolving needs, rather than sticking strictly to predefined contracts.

**Responding to change over following a plan**: Encourages flexibility and adaptability in response to change, rather than strictly adhering to initial plans.

**The 12 Agile Principles:**

1. Customer satisfaction through early and continuous delivery.

2. Welcome changing requirements, even in late development.

3. Deliver working software frequently.

4. Businesspeople and developers must work together daily.

5. Build projects around motivated individuals.

6. Face-to-face conversation is the best form of communication.

7. Working software is the primary measure of progress.

8. Sustainable development, able to maintain a constant pace.

9. Continuous attention to technical excellence and good design.

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. Regularly reflect on how to become more effective and adjust accordingly.

Question2: Write minimum 40 User stories and their Acceptance Criteria along with their BV and CP

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| **User Story ID:** 1**Tasks:** 2**Priority:** Highest |
| **Value Statement:** As A Delivery Boy, I Want To Register In Scrum Foods, So That I Can Deliver Orders |
| **BV:** 500 | **CP:** 2 |
| **Acceptance Criteria:** 1. Open the registration screen.
2. Enter User Name.
3. Enter Password.
4. Enter Mobile No.
5. Enter Email.
6. Enter Address.
7. Enter Phone Number.
8. Click on Register Button.
9. Receive a successful notification.
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| **User Story ID:** 2**Tasks:** 2**Priority:** Highest |
| **Value Statement:** As A Restaurant Owner, I Want To View Orders So, That I Can View The List Of Orders |
| **BV:** 500 | **CP:** 2 |
| **Acceptance Criteria:** 1. Navigate to the orders section.
2. View list of orders displayed in tabular format.
3. Click on an order to see details.
4. Click on refresh to update the list.
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| **User Story ID:** 3**Tasks:** 3**Priority:** Highest |
| **Value Statement:** As a user, I want to log into my account to access personalized features |
| **BV:** 500 | **CP:** 5 |
| **Acceptance Criteria:** 1. Enter valid credentials.
2. Click "Login".
3. Redirect to personalized homepage on successful login.
4. Display error on invalid credentials
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| **User Story ID:** 4**Tasks:** 3**Priority:** Highest |
| **Value Statement:** As a user, I want to search and filter food items to find my preferred options |
| **BV:** 500 | **CP:** 8 |
| **Acceptance Criteria:** 1. Enter keywords or select filters.
2. Click "Search".
3. Display filtered results based on chosen criteria.
4. Ensure relevant results are shown.
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| **User Story ID:** 5**Tasks:** 3**Priority:** Medium |
| **Value Statement:** As a user, I want to manage my profile to keep my information updated |
| **BV:** 500 | **CP:** 5 |
| **Acceptance Criteria:** 1. Access profile settings.
2. Update personal details.
3. Click "Save".
4. View confirmation of successful update
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| **User Story ID:** 6**Tasks:** 3**Priority:** Highest |
| **Value Statement:** As A Customer I Want To Select The Payment Mode So That I Can Make Payment Of My Choice |
| **BV:** 500 | **CP:** 3 |
| **Acceptance Criteria:** 1. Go to the payment page.
2. Display payment modes available.
3. Click on the payment button.
4. Receive confirmation of the payment.
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| **User Story ID:** 7**Tasks:** 3**Priority:** Highest |
| **Value Statement:** As An Admin I Want To View The Restaurants So That I Can Approve Their Registration |
| **BV:** 500 | **CP:** 2 |
| **Acceptance Criteria:** 1. Access the restaurant management panel.
2. View a list of restaurants pending approval.
3. Select a restaurant to view details.
4. Click approve or reject button.
5. Receive confirmation on action taken.
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| **User Story ID:** 8**Tasks:** 2**Priority:** Low |
| **Value Statement:** A Customer, I Want To Have A FAQs Section So That I Can Get Instant Answers |
| **BV:** 50 | **CP:** 1 |
| **Acceptance Criteria:** 1. FAQ section visible on the app or site
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| **User Story ID:** 9**Tasks:** 2**Priority:** Low |
| **Value Statement:** As A Customer I Want To View The Contact Number Of Delivery Boy So That I Can Contact Delivery Boy For The Status |
| **BV:** 50 | **CP:** 1 |
| **Acceptance Criteria:** 1. Navigate to 'Track Order' section.
2. Display delivery boy's mobile number.
3. Display delivery boy’s name.
4. Display delivery boy’s picture
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| **User Story ID:** 10**Tasks:** 2**Priority:** Low |
| **Value Statement:** As A Restaurant Owner I Want To Provide Time Slots So That Customers Can Check Opening And Closing Hours |
| **BV:** 100 | **CP:** 1 |
| **Acceptance Criteria:** 1. Access restaurant dashboard.
2. Click to add time slots.
3. Select from and to time for opening hours.
4. Click submit.
5. Receive confirmation of successful update
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| **User Story ID:** 11**Tasks:** 2**Priority:** High |
| **Value Statement:** As A Business Owner I Want To View Restaurant Revenue Report So That I Can View The Restaurant’s Revenue |
| **BV:** 200 | **CP:** 3 |
| **Acceptance Criteria:** 1. Navigate to Reports section.
2. Select Revenue Reports.
3. Set date range for report.
4. Select region if necessary.
5. Generate the report.
6. Download the report in EXCEL format
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| **User Story ID:** 12**Tasks:** 3**Priority:** Medium |
| **Value Statement:** As Admin I Want To See The Regional Revenue Reports, So That I Can View The Regional Performance |
| **BV:** 200 | **CP:** 3 |
| **Acceptance Criteria:** 1. Open regional revenue report section.
2. Select regional dropdown.
3. View performance in a tabular format.
4. Click on download button for excel or PDF
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| **User Story ID:** 13**Tasks:** 3**Priority:** High |
| **Value Statement:** As A Customer I Want To Chat With Reg Admin So That I Can Request A Refund |
| **BV:** 200 | **CP:** 2 |
| **Acceptance Criteria:** 1. Navigate to chat support section.
2. Fill in mandatory fields in the chat form.
3. Display order ID in the form.
4. Enter description of the refund request.
5. Click submit button.
6. Generate an issue ID and display successful message
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| **User Story ID:** 12**Tasks:** 3**Priority:** High |
| **Value Statement:** As A Customer I Want To See Order History So That I Can Track My Past Orders |
| **BV:** 200 | **CP:** 3 |
| **Acceptance Criteria:** 1. Go to 'My Orders' section.
2. Display list of past orders with details.
3. Click on any order to see its details
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| **User Story ID:** 13**Tasks:** 2**Priority:** Medium |
| **Value Statement:** As A Restaurant Owner I Want To Edit Menu Items So That I Can Update Food Options |
| **BV:** 200 | **CP:** 3 |
| **Acceptance Criteria:** 1. Access menu management section.
2. Select a menu item to edit.
3. Change item name, description, or price.
4. Click save to update changes
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| **User Story ID:** 14**Tasks:** 2**Priority:** High |
| **Value Statement:** As A Customer I Want To Rate My Experience So That I Can Provide Feedback |
| **BV:** 200 | **CP:** 3 |
| **Acceptance Criteria:** 1. Go to the ratings section after receiving the order.
2. Select a rating (1 to 5 stars).
3. Optionally enter comments.
4. Submit feedback successfully.
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| **User Story ID:** 15**Tasks:** 2**Priority:** Medium |
| **Value Statement:** As A Customer I Want To Filter Menu Items So That I Can Find Items Easily |
| **BV:** 200 | **CP:** 2 |
| **Acceptance Criteria:** 1. Open the menu page.
2. Select filter options (e.g., vegetarian, non-vegetarian).
3. Click apply filter.
4. Check that the menu updates accordingly
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| **User Story ID:** 16**Tasks:** 2**Priority:** Low |
| **Value Statement:** As A Customer I Want To Share My Order Status So That I Can Tell Friends About It |
| **BV:** 100 | **CP:** 2 |
| **Acceptance Criteria:** 1. Access order summary.
2. Click on 'Share Order Status' button.
3. Choose sharing method (e.g., social media, SMS).
4. Confirm sharing successfully
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| **User Story ID:** 17**Tasks:** 2**Priority:** Medium |
| **Value Statement:** As a delivery partner, I want to view my earnings to track my income |
| **BV:** 100 | **CP:** 2 |
| **Acceptance Criteria:** 1. Access earnings section.
2. View daily and weekly earnings.
3. Breakdown of earnings per order.
4. View total income for selected date range
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| **User Story ID:** 18**Tasks:** 2**Priority:** Highest |
| **Value Statement:** As a delivery partner, I want to receive assigned orders to start the delivery process |
| **BV:** 500 | **CP:** 5 |
| **Acceptance Criteria:** 1. Receive new order notification.
2. Accept or reject order.
3. Confirm order pick-up and start delivery.
4. Mark order as delivered upon completion
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| **User Story ID:** 19**Tasks:** 2**Priority:** Medium |
| **Value Statement:** As a delivery partner, I want to receive assigned orders to start the delivery process |
| **BV:** 100 | **CP:** 2 |
| **Acceptance Criteria:** 1. Access support section.
2. Choose chat, email, or phone.
3. Initiate conversation or contact support.
4. Receive response confirmation
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| **User Story ID:** 20**Tasks:** 2**Priority:** Medium |
| **Value Statement:** As a user, I want to see an estimated delivery time for each restaurant to plan my order |
| **BV:** 500 | **CP:** 5 |
| **Acceptance Criteria:** 1. View estimated time on restaurant page.
2. Confirm accurate time calculation based on location.
3. Time updates based on real-time conditions.
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| **User Story ID:** 21**Tasks:** 2**Priority:** High |
| **Value Statement:** As A **Customer,** I Want To **Change My Delivery Address,** So That I Can **Deliver My Order To A Different Location** |
| **BV:** 500 | **CP:** 5 |
| **Acceptance Criteria:** 1. Open the **checkout page.**
2. Click on **Edit Delivery Address**.
3. Update the address details and **validate** the new address.
4. Confirm the address change, and the new address is saved for future orders
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| **User Story ID:** 22**Tasks:** 2**Priority:** Medium |
| **Value Statement:** As A **Customer,** I Want To **Repeat My Previous Order,** So That I Can **Order The Same Items Again Quickly** |
| **BV:** 400 | **CP:** 3 |
| **Acceptance Criteria:** 1. View the **Repeat Order** button on the "My Orders" page.
2. Clicking it brings up **previous order details.**
3. Option to **customize** items in the order before placing
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| **User Story ID:** 23**Tasks:** 2**Priority:** Medium |
| **Value Statement:** As A **Customer,** I Want To **Choose A Delivery Time Preference,** So That I Can **Receive My Order At A Convenient Time** |
| **BV:** 400 | **CP:** 3 |
| **Acceptance Criteria:** 1. During checkout, there is an option to **select a delivery time.**
2. Available delivery times are based on the **restaurant's working hours.**
3. System should ensure that the **delivery time preference** is honored
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| **User Story ID:** 24**Tasks:** 2**Priority:** Medium |
| **Value Statement:** As A **Customer,** I Want To **See Special Offers And Promotions,** So That I Can **Save Money And Take Advantage Of Discounts** |
| **BV:** 500 | **CP:**5 |
| **Acceptance Criteria:** 1. Display **special offers** on the homepage.
2. The offers should be **updated regularly**.
3. Offer should be **clickable** to show full details.
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| **User Story ID:** 25**Tasks:** 2**Priority:** Medium |
| **Value Statement:** As A **Customer,** I Want To **Refer Friends And Earn Rewards,** So That I Can **Get Discounts For Sharing The Service With Others** |
| **BV:** 350 | **CP:**3 |
| **Acceptance Criteria:** 1. Customers can refer friends via a **referral code**.
2. Both the **referrer and referee** get a discount after the referee’s first order.
3. A **referral dashboard** shows how many people have used the COD.
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| **User Story ID:** 26**Tasks:** 2**Priority:** Medium |
| **Value Statement:** As A **Customer,** I Want To **Add Delivery Instructions,** So That The Delivery Boy Can **Follow Special Instructions For My Order** |
| **BV:** 350 | **CP:**3 |
| **Acceptance Criteria:** 1. During checkout, an **"Add Delivery Instructions"** field is available.
2. Customers can enter details like **"Leave at the door"** or **"Call when arriving".**
3. Delivery boy receives and follows these instructions during delivery
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| **User Story ID:** 27**Tasks:** 2**Priority:** Highest |
| **Value Statement:** As A **Customer,** I Want To **Track The Delivery Boy’s Location,** So That I Can **See My Order’s Progress And Plan For Arrival** |
| **BV:** 500 | **CP:**3 |
| **Acceptance Criteria:** 1. Open the **tracking page** after the order is dispatched.
2. Display the **delivery boy’s location on the map**.
3. Show **real-time progress** of the order
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| **User Story ID:** 28**Tasks:** 2**Priority:** Medium |
| **Value Statement:** As A **Customer,** I Want To **Save Items For Later,** So That I Can **Order Them In The Future Without Having To Search Again** |
| **BV:** 400 | **CP:**3 |
| **Acceptance Criteria:** 1. Add an option to **Save for Later** in the cart.
2. Saved items are moved to the **Saved for Later** section.
3. Items can be added back to the cart or removed from the saved list
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| **User Story Id:** 29**Tasks:** 2**Priority:** Medium |
| **Value Statement:** As A **Customer,** I Want To **Rate And Review Restaurants And Menu Items,** So That I Can **Help Others Make Informed Decisions** |
| **BV:** 500 | **CP:**2 |
| **Acceptance Criteria:** 1. After Receiving An Order, Prompt Users To **Rate The Restaurant** And **Individual Items**.
2. Include A **Star Rating System** (1-5 Stars) And An Optional Comment Box.
3. Display The Average Rating On The Restaurant Page
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| **User Story ID:** 30**Tasks:** 2**Priority:** Medium |
| **Value Statement**: As A **Customer,** I Want To **Rate And Review Restaurants And Menu Items,** So That I Can **Help Others Make Informed Decisions** |
| **BV:** 350 | **CP:**3 |
| **Acceptance Criteria:** 1. A **"Contact Us"** page is accessible from the app menu.
2. Provide a form with **fields for name, email, issue description,** and a submit button.
3. Display a confirmation message when the form is successfully submitted
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| **User Story ID:** 31**Tasks:** 2**Priority:** Medium |
| **Value Statement:** As A **Customer,** I Want To **Subscribe To Newsletters,** So That I Can **Receive Exclusive Offers And Updates** |
| **BV:** 350 | **CP:**3 |
| **Acceptance Criteria:** 1. Provide a **newsletter subscription option** in the account settings.
2. Users can **enter their email address** to subscribe.
3. Send periodic emails with **promotions, new items, and offers**
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| **User Story ID:** 32**Tasks:** 2**Priority:** Medium |
| **Value Statement:** As A **Customer,** I Want To **Filter Menu Items By Dietary Preference,** So That I Can **Easily Find Food Options That Meet My Needs** |
| **BV:** 500 | **CP:**5 |
| **Acceptance Criteria:** 1. Provide **filter options** (e.g., Vegan, Vegetarian, Gluten-Free) on the menu page.
2. Only display menu items that match the selected **dietary preference.**
3. Show a clear label on items that meet the dietary filters
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| **User Story ID:** 33**Tasks:** 2**Priority:** Medium |
| **Value Statement:** As A **Customer,** I Want To **Customize My Meals,** So That I Can **Make Changes To Ingredients Or Add Extra Items To My Order** |
| **BV:** 500 | **CP:**5 |
| **Acceptance Criteria:** 1. Provide an **Order Customization** option for each menu item.
2. Allow customers to **add or remove ingredients**, select portion sizes, and customize toppings.
3. Show updated pricing and delivery time for customized order
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| **User Story ID:** 34**Tasks:** 2**Priority:** Medium |
| **Value Statement:** As A **Customer,** I Want To **Rate The Delivery Personnel,** So That I Can **Provide Feedback On The Delivery Service** |
| **BV:** 400 | **CP:**3 |
| **Acceptance Criteria:** 1. After the order is delivered, prompt users to **rate the delivery person** (1-5 stars).
2. Provide an optional text box for **additional feedback** or suggestions.
3. Display average ratings for delivery personnel in their profile
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| **User Story ID:** 35**Tasks:** 2**Priority:** Highest |
| **Value Statement:** As A **Customer,** I Want To **Receive Push Notifications,** So That I Can **Be Informed About My Order Status In Real Time** |
| **BV:** 500 | **CP:**5 |
| **Acceptance Criteria:** 1. Enable push notifications for order status changes (e.g., **order confirmed, out for delivery, delivered).**
2. Provide an option to **opt-in or opt-out** of push notifications.
3. Notifications should be sent in a timely manner to keep customers updated
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| **User Story ID:** 36**Tasks:** 2**Priority:** Medium |
| **Value Statement:** As A **Customer,** I Want To **Cancel My Order If Necessary,** So That I Can **Prevent Unnecessary Deliveries If I Change My Mind** |
| **BV:** 300 | **CP:**3 |
| **Acceptance Criteria:** 1. Allow users to **cancel orders** within **10 minutes** of placing them.
2. Display a **clear cancellation button** on the order status page.
3. After cancellation, show a **confirmation message** and update the status of the order
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| **User Story ID:** 37**Tasks:** 2**Priority:** Medium |
| **Value Statement:** As A **Customer,** I Want To **See Featured Restaurants,** So That I Can **Discover New And Popular Restaurants To Order From** |
| **BV:** 300 | **CP:**3 |
| **Acceptance Criteria:** 1. Provide a **"Featured Restaurants"** section on the homepage.
2. Show **top-rated restaurants** based on customer feedback and ratings.
3. Include any **special offers** or discounts next to featured restaurants
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| **User Story ID:** 38**Tasks:** 2**Priority:** Medium |
| **Value Statement:** As A **Customer,** I Want To **See The Daily Deal Or Special Offers,** So That I Can **Take Advantage Of Exclusive Discounts Every Day** |
| **BV:** 300 | **CP:**3 |
| **Acceptance Criteria:** 1. Show the **"Deal of the Day"** on the homepage with an image and discount details.
2. Update the offer **daily** with new promotions or menu items.
3. Display a countdown timer showing how much time is left on the offer
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| **User Story ID:** 39**Tasks:** 2**Priority:** Medium |
| **Value Statement:** As A **Customer,** I Want To **Use The App In My Preferred Language,** So That I Can **Easily Navigate And Place Orders** |
| **BV:** 300 | **CP:**3 |
| **Acceptance Criteria:** 1. Provide an option to select from multiple **languages** in the app settings.
2. Translate all app content based on the selected language.
3. Allow users to switch languages at any time
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| **User Story ID:** 40**Tasks:** 2**Priority:** Medium |
| **Value Statement:** As A Restaurant Owner, I Want To View Customer Reviews So That I Can Evaluate My Service |
| **BV:** 200 | **CP:**2 |
| **Acceptance Criteria:** 1. Display customer reviews in the dashboard
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Question3: What is Epic? Write 2 Epics

an Epic is a large, high-level body of work that can be broken down into smaller, more manageable pieces called User Stories. Epics represent big features or requirements that are too complex or large to complete in a single iteration or sprint. Epics offer a high-level view of work and are refined over time to manage large tasks into smaller, actionable chunks. Once understood, they are broken down into smaller user stories within a sprint's capacity. Epics are often used for planning and roadmap purposes, providing an overview of the project's major goals or initiatives. They help teams manage large tasks and complete them in shorter timeframes.

**User Registration and Profile Management**

This epic includes all functionalities related to user registration, profile creation, and management for different user roles such as delivery boys, customers, and restaurant owners.

User Stories include:

* User Registration (as a delivery boy or customer)
* Profile Update (for customers and restaurant owners)
* Password Recovery

**Order Management System**

This epic covers the entire flow of order processing from placement to delivery, enabling customers to place orders, restaurants to accept them, and delivery personnel to manage those orders.

 User Stories include:

* Placing an Order
* Order Tracking
* Order History Review
* Managing Order Status by Restaurant Owner

Quetion4: What is the difference between BV and CP

**Business Value** refers to the value or importance that a particular feature or user story brings to the business or customer. It is a way to prioritize work based on the potential impact on the product, customers, or the company. BV is often assigned using a scoring system/Currency notes (e.g., Rs 1000, Rs 500, Rs 100, etc.), where stakeholders assign values according to their assessment of the importance of each user story. BV helps prioritize user stories based on their contribution to business goals, customer satisfaction, and revenue generation. Higher BV indicates a user story that is critical for business success.

**Complexity Points** represent the effort, time, and resources required by the development team to implement a particular user story. It measures the technical difficulty or workload associated with developing the feature. CP is typically assigned using a point system (e.g., Fibonacci sequence: 1, 2, 3, 5, 8, etc.), often determined through estimation techniques like Planning Poker, where Scrum Developers collaboratively assess the complexity.

Question5: Explain about Sprint

A **Sprint** in Agile, particularly in the Scrum framework, is a time-boxed iteration during which a specific set of deliverables, known as the **Sprint Backlog**, is developed and completed by the team. Each Sprint aims to deliver a potentially shippable product increment, ensuring continuous delivery of working software and iterative improvement.

Each sprint has a clear goal and scope, which is defined and agreed upon by the team and stakeholders during sprint planning. The sprint cycle includes planning, daily stand-ups, development work, testing, and a sprint review and retrospective. The goal of each sprint is to produce a working version of the product with added features, known as a "product increment," which can be reviewed, evaluated, and potentially delivered to end-users or stakeholders.

Key Components of a Sprint

**Sprint Planning** is a meeting where the Scrum team comes together to plan the work to be done in the upcoming sprint (usually 1-4 weeks).

**Purpose**: To define the Sprint Goal and select the user stories or tasks from the Product Backlog that the team will work on during the sprint.

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

**Outcome:** The Sprint Backlog, a list of selected user stories or tasks, and a clear Sprint Goal.

**The Sprint Backlog** is the collection of tasks and user stories that the team commits to working on during a sprint.

**Purpose:** To provide a clear plan of work for the sprint and track progress.

**Content:** It contains the Sprint Goal, selected user stories, and tasks to complete those stories. It is updated during the sprint.

**Ownership**: The Development Team owns the Sprint Backlog and adjusts it as needed.

**The Daily Stand-up, or Daily Scrum**, is a short, daily meeting where the team synchronizes their work.

**Purpose:** To inspect progress toward the Sprint Goal, identify blockers, and discuss what each team member will do next.

**Time-boxed**: Typically 15 minutes.

**Format:** Each team member answers:

What did I do yesterday?

What will I do today?

Are there any obstacles in my way?

**Development Team** works on building the product increment.

**Purpose:** To develop features, fix bugs, and test the product.

Activities:

**Development:** Writing code, implementing features, ensuring quality with unit testing, etc.

**Testing:** Ensuring the product meets the Definition of Done (DoD) with manual or automated tests.

**Outcome:** A potentially shippable product increment that meets the acceptance criteria

The **Sprint Review** is a meeting at the end of the sprint to inspect the increment and adapt the Product Backlog.

**Purpose:** To demonstrate the work completed during the sprint, gather feedback from stakeholders, and adjust the Product Backlog if needed.

**Participants:** Scrum Team (Product Owner, Scrum Master, Development Team), and relevant stakeholders.

**Outcome:** The increment is demonstrated, and the Product Backlog is updated based on feedback and new insights.

**Sprint Retrospective** happens after the Sprint Review and focuses on process improvement for the next sprint.

**Purpose:** To reflect on the sprint's processes and identify what went well, what didn’t go well, and what can be improved.

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

**Outcome:** Actionable insights and improvements for the next sprint to enhance the team’s performance.

**Backlog Refinement** (or Backlog Grooming) is the ongoing process of reviewing and updating the Product Backlog.

**Purpose:** To ensure the Product Backlog is well-defined, prioritized, and ready for future sprints.

**Activities:** The team clarifies user stories, adds details, estimates work, and re-prioritizes tasks as needed.

**Outcome:** A prioritized, well-groomed backlog with clearly defined user stories, ready for Sprint Planning.

Question6: Explain Product backlog and sprint back log

The **Product Backlog** is a prioritized list of all features, enhancements, bug fixes, and other requirements needed for a project. For instance, in a food delivery app, items might include "User registration," "Payment gateway integration," and "Order tracking." The Product Owner manages and continually refines this list based on feedback and business needs.

The **Sprint Backlog**, on the other hand, is a subset of the Product Backlog that the Scrum team commits to completing within a specific Sprint, usually lasting two weeks. For example, if the team selects "User registration" and "Payment gateway" for this Sprint, these would then be broken down into tasks like "Design registration UI" and "Implement payment API."

The Sprint Backlog evolves throughout the Sprint, providing clear visibility into the team's commitments and progress while ensuring focus on delivering a functional product increment.

Question7: What is impediments log? write 2 impediments

An Impediments Log is a record of obstacles or challenges that prevent the Scrum Team from achieving its goals, making progress, or completing tasks during a sprint. These impediments can be related to people, processes, technology, or external factors, and they are tracked so they can be addressed and resolved promptly. The Scrum Master is responsible for removing or helping the team address these impediments, ensuring that the team remains productive and focused on delivering the sprint goal.

**Unavailable QA Tester**

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| Log ID | 1 |
| Description | A key team member, the QA tester, is unavailable for the sprint due to sudden health issues, causing delays in testing the new features |
| Impact | Testing is delayed, and critical bugs may go unnoticed, potentially affecting the product's quality |
| Priority Assigned | Medium |
| Status | In Progress |
| Assigned to | Scrum Master / HR Department |
| Action Taken | The Scrum Master worked with HR to temporarily assign another team member to take over the testing responsibilities, while the unavailable tester is on sick leave |
| Resolution | The QA responsibilities were successfully handed over to another team member, and testing continued, ensuring the sprint deliverables remained on track |

**Delayed Delivery of External Service**

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| Log ID | 2 |
| Description | A third-party service, which the team relies on to implement a payment gateway feature, has delayed their API update, which is preventing the team from proceeding with the feature developmen |
| Impact | The delay in the external service impacts the planned release of the payment feature, affecting the overall sprint goals |
| Priority Assigned | High |
| Status | Open |
| Assigned to | Product Owner / Scrum Master |
| Action Taken | The Scrum Master has contacted the third-party service provider to understand the reason for the delay and inquire about an estimated timeline. The Product Owner is exploring workarounds or alternative solutions |
| Resolution | The third-party service provider delivered the API update, allowing the team to resume development. In the meantime, the team worked on other tasks while waiting |

Questiion8: Explain Velocity of the Team

Velocity in Scrum measures the amount of work a team completes in a sprint, expressed in story points. It reflects the team's capacity and performance. For example, if a team completes 3 user stories worth 5, 8, and 3 story points, their velocity for that sprint is 16 points. By tracking velocity across sprints, teams can predict future capacity and improve planning. It helps estimate how much work can be realistically completed in upcoming sprints.

Question9: Draw Sprint Burn Charts n Product Burn Down Charts

Burn Chart



Product Burn Down Chart

Question10: Explain about Product Grooming

Product Grooming, also known as Backlog Refinement, is the process of regularly reviewing and updating the Product Backlog. During grooming sessions, the team ensures that the backlog items are clearly defined, well-prioritized, and appropriately sized for upcoming sprints. It helps in breaking down large user stories (epics) into smaller, actionable tasks.

For example, if a feature “user authentication” is too broad, it might be broken down into smaller tasks like “create login page” and “set up password recovery.” Grooming helps maintain a well-organized backlog and ensures the team is ready for efficient sprint planning.

Question11: Explain the roles of Scrum Master and Product Owner

The Scrum Master is responsible for ensuring that the Scrum process is followed and facilitating the Scrum framework’s practices. They work to remove any obstacles or impediments that may hinder the team's progress and help the team to work more efficiently. The Scrum Master acts as a coach, guiding the team to self-organize, collaborate, and continuously improve. They also ensure that Scrum events (such as sprint planning, daily stand-ups, retrospectives) are effectively conducted.

The Product Owner is responsible for managing the Product Backlog, ensuring that it is well-defined, prioritized, and updated regularly. They represent the voice of the customer and stakeholders, defining product features, user stories, and requirements. The Product Owner prioritizes the work that will deliver the most value to the business or customers. They ensure that the team works on the highest-priority tasks that align with the product vision and goals, providing clear requirements and acceptance criteria

Question12: Explain all Meetings Conducted in Scrum Project

In the **Sprint Planning meeting**, the Product Owner, Scrum Master, and Development Team collaborate to define the sprint goal and determine which backlog items will be worked on during the sprint. The Product Owner presents prioritized items, and the Development Team selects and commits to completing them. The Scrum Master facilitates the meeting, ensuring that Scrum practices are followed. The outcome is a clear sprint goal and a Sprint Backlog.

The **Daily Stand-up** is attended by the Scrum Master, Product Owner, and Development Team. It’s a brief 15-minute meeting where each team member answers: What did I do yesterday? What will I do today? Are there any blockers? The Scrum Master ensures the meeting is time-boxed and focuses on progress and issues. The Product Owner is optional but may attend to gain updates on the work being done.

**Sprint Review** involves the Scrum Master, Product Owner, Development Team, and relevant stakeholders. The team demonstrates the work completed during the sprint, and the Product Owner confirms if the sprint goal was met. Feedback is gathered from stakeholders to assess if the product is on track and aligned with business expectations. The meeting ensures transparency, allowing adjustments to the product direction based on input.

**Sprint Retrospective** is attended by the Scrum Master and the Development Team. The team reflects on the past sprint, discussing what went well, what didn’t, and how processes can be improved. Actionable improvements are identified for the next sprint. The Scrum Master facilitates the meeting, ensuring an open and honest environment to foster continuous improvement in team collaboration, productivity, and workflow.

**Backlog Refinement** meeting is attended by the Product Owner, Scrum Master, and the Development Team. The Product Owner reviews, updates, and prioritizes the Product Backlog, ensuring it’s ready for the next Sprint Planning. The Development Team provides input by breaking down large items into smaller user stories and offering estimates. The Scrum Master ensures that the meeting is efficient and focused on preparing backlog items for future sprints.

Question13: Explain Sprint Size and Scrum Size

**Sprint Size** refers to the duration of a Scrum sprint, typically lasting between one to four weeks. It is a time-boxed event where the team works on a set of tasks to deliver a product increment. For example, a software development team might choose a two-week sprint to focus on adding new features to their application, ensuring they can adapt quickly to feedback and changes.

**Scrum Size** refers to the estimation of Product Backlog items to ensure they can be completed within a single sprint. This involves sizing tasks so they fit within the sprint duration. For example, a team might use story points to estimate that a feature requires 8 points, which they believe can be completed within their two-week sprint based on their team velocity

Question14: Explain DOR and DOD

**Definition of Ready (DoR)** is a set of criteria that a user story or task must meet before it can be worked on by the development team in a sprint. It ensures that the item is well-defined, understood, and has enough detail to be completed. The DoR helps avoid ambiguity and ensures the team has everything they need to start work, including clear acceptance criteria, dependencies, and resources.

Example: A user story may be considered "Ready" if it has a clear description, detailed acceptance criteria, prioritized in the backlog, and dependencies identified.

**Definition of Done (DoD)** is a shared understanding of what it means for work to be considered complete. It outlines the criteria that must be met for a user story, feature, or task to be considered finished and ready for release. DoD includes aspects such as coding completion, unit testing, code review, integration testing, and documentation.

Example: A user story is "Done" when it has passed unit tests, reviewed by the team, integrated with the product, and documented.

Question15: Explain Prioritization Techniques and MVP

Prioritization Techniques are methods used to determine the most important tasks or features that should be focused on first, based on various factors like business value, customer needs, time constraints, or available resources. These techniques help teams manage their workload effectively by identifying what to work on next, ensuring that they deliver the highest value in the shortest time.

Some common Prioritization Techniques include:

**MoSCoW Method**: The MoSCoW Method is a popular prioritization technique used to categorize and prioritize features, tasks, or requirements based on their importance This technique divides items into four categories:

Must-have: Critical features that are essential.

Should-have: Important but not urgent.

Could-have: Desirable but not essential.

Won’t-have: Features not prioritized for the current period

**A Minimum Viable Product (MVP)** is a product with just enough features to satisfy early customers and provide feedback for future development. It allows teams to test assumptions about their product with minimal investment, gather insights, and iterate based on user feedback. The goal of an MVP is to deliver value quickly while minimizing waste and maximizing learning.

Example of MVP: A company developing a new mobile app might release an MVP with core features like user registration and basic functionality, then expand based on user feedback. This approach ensures that the product meets customer needs and reduces the risk of investing in unnecessary features.

Question16: Difference between Business Analyst n Product Owner

A **Business Analyst** acts as a bridge between customer needs and developers, focusing on gathering requirements and ensuring solutions align with business needs. They analyze data, identify trends, and document processes and requirements. Their primary role is to articulate customer needs and facilitate communication between stakeholders and the development team.

A **Product Owner** is the strategic driver of the product, responsible for defining the product vision and strategy. They prioritize features, manage the product backlog, and ensure that the product meets customer needs. They collaborate with various teams to ensure product quality and make critical decisions about the product's direction.

Question17: sample Resume of 3yrs exp Product Owner

