Question 1: Write Agile Manifesto

Answer:

The Agile Manifesto is a document that sets out the key values and principles behind the Agile philosophy and serves to help development teams work more efficiently and sustainably.

It has 4 values and 12 principles.

**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.

**Principles:**

1. Satisfy the customer through early and continuous delivery of valuable software
2. Welcome change requirements even late in development. Agile processes harness change for customer’s competitive advantage.
3. Deliver working software frequently, from a couple of weeks to a couple of months, with a preference to 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, recruitments 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: Write minimum 40 User stories and their Acceptance Criteria along with their BV and CP

Answer:

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| User Story No: 1  | Tasks: High | Priority: 3 |
| As a customer, I want to register using my email or phone number so that I can create an account. |
| BV: 9 | CP: 3 |
| Acceptance Criteria: Given a user is on the registration screenWhen they enter valid information and submitThen an account should be created, and the user should be redirected to the login page |

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| User Story No: 2  | Tasks: High | Priority: 3 |
| As a customer, I want to log in securely so that I can access my food ordering account |
| BV: 10 | CP: 3 |
| Acceptance Criteria: Given a registered user is on the login screenWhen they provide correct credentialsThen they should be successfully logged in |

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| User Story No: 3 | Tasks: High | Priority: 4  |
| As a customer, I want to search for restaurants by name, location, or cuisine so that I can find what I want quickly |
| BV: 9 | CP: 5 |
| Acceptance Criteria: Given a logged-in user is on the homepageWhen they search using name, location, or cuisineThen relevant restaurants should be displayed |

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| User Story No: 4 | Tasks: High | Priority: 3 |
|  As a customer, I want to view restaurant menus so that I can decide what to order |
| BV: 9 | CP: 3 |
| Acceptance Criteria: Given a restaurant is selectedWhen the user clicks "View Menu"Then all menu items with details should be shown |

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| User Story No: 5  | Tasks: High | Priority: 6 |
|  As a customer, I want to place an orderso that I can get food delivered to my location. |
| BV: 10 | CP: 8 |
| Acceptance Criteria: Given a user has selected menu itemsWhen they click "Place Order" and confirmThen the order should be saved and sent to the restaurant |

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| User Story No: 6  | Tasks: High | Priority: 5 |
|  As a customer, I want to make payments using multiple options (card, wallet, UPI) so that I have flexibility. |
| BV: 10 | CP: 8 |
| Acceptance Criteria: Given an order is placedWhen the user selects a payment method and confirmsThen the payment should be processed and confirmed |

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| User Story No: 7  | Tasks: High | Priority: 6 |
|  As a customer, I want to track my delivery in real time so that I know the estimated arrival time. |
| BV: 10 | CP: 3 |
| Acceptance Criteria: Given an order is confirmed and out for deliveryWhen the user opens the tracking screenThen they should see real-time delivery updates |

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| User Story No: 8  | Tasks: Medium | Priority: 3 |
|  As a customer, I want to cancel an order before preparation starts so that I can avoid unwanted charges. |
| BV: 8 | CP: 5 |
| Acceptance Criteria: Given an order is not yet being preparedWhen the user selects “Cancel Order”Then the order should be canceled and refunded |

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| User Story No: 9 | Tasks: Medium  | Priority: 3 |
|  As a customer, I want to rate the restaurant and delivery boy after each order so that I can share my experience. |
| BV: 8 | CP: 3 |
| Acceptance Criteria: Given an order is deliveredWhen the user navigates to feedbackThen they should be able to rate and comment |

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| User Story No: 10  | Tasks: Low | Priority: 2 |
| As a customer, I want to log out of the app securely so that my account is safe. |
| BV: 7  | CP: 1 |
| Acceptance Criteria: Given a user is logged inWhen they click “Logout”Then they should be logged out and redirected to the login screen |

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| User Story No: 11 | Tasks: Medium | Priority: 4 |
| As a delivery boy, I want to register with my details and documents so that I can start delivering orders. |
| BV: 8  | CP: 5  |
| Acceptance Criteria: Given a delivery boy is on the registration pageWhen they enter all details and upload required documentsThen the application should be submitted for admin approval |

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| User Story No: 12  | Tasks: High | Priority: 3 |
|  As a delivery boy, I want to log in securely so that I can access my delivery dashboard |
| BV: 9 | CP: 3 |
| Acceptance Criteria: Given a delivery boy has valid credentialsWhen they log inThen they should be taken to the delivery dashboard |

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| User Story No: 13  | Tasks: High | Priority: 4 |
| As a delivery boy, I want to view a list of available orders so that I can choose which one to accept. |
| BV: 8 | CP: 5 |
| Acceptance Criteria: Given a delivery boy is logged inWhen they open "Available Orders"Then a list of unassigned orders should be shown |

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| User Story No: 14  | Tasks: High | Priority: 3 |
| As a delivery boy, I want to accept an order so that it is assigned to me. |
| BV: 9 | CP: 3 |
| Acceptance Criteria: Given an available order is listedWhen the delivery boy clicks “Accept”Then the order should be assigned to them |

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| User Story No: 15  | Tasks: High | Priority: 4 |
| As a delivery boy, I want to update the order status at pickup and delivery so that customers are notified. |
| BV: 9 | CP: 5 |
| Acceptance Criteria: Given a delivery is in progressWhen the delivery boy updates status (e.g., picked up, delivered)Then the system should reflect the updated status |

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| User Story No: 16  | Tasks: Medium | Priority: 4 |
| As a delivery boy, I want to handle cash on delivery payments so that I can collect money for the order. |
| BV: 7 | CP: 5 |
| Acceptance Criteria: Given an order is marked as "Cash on Delivery"When the delivery is completedThen the system should prompt for COD confirmation |

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| User Story No: 17  | Tasks: Low | Priority: 2 |
| As a delivery boy, I want to view customer feedback so that I can help improve my service. |
| BV: 6  | CP: 3 |
| Acceptance Criteria: Given deliveries have been completedWhen the delivery boy accesses the "Feedback" sectionThen they should see customer comments and ratings |

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| User Story No: 18  | Tasks: Medium | Priority: 4 |
|  As a delivery boy, I want to see a report of my completed deliveries and earningsso that I can track performance. |
| BV: 7 | CP: 5 |
| Acceptance Criteria: Given the delivery boy has completed deliveriesWhen they open the report sectionThen earnings and delivery history should be displayed |

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| User Story No: 19  | Tasks: High | Priority: 4 |
| As a restaurant, I want to register and upload menu items so that I can start receiving orders.  |
| BV: 9 | CP: 5 |
| Acceptance Criteria: Given a restaurant is on the registration pageWhen they complete the form and add menu itemsThen their profile should be created and sent for approval |

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| User Story No: 20  | Tasks: High | Priority: 3 |
| As a restaurant, I want to log in so that I can manage orders and view analytics.  |
| BV: 9 | CP: 3 |
| Acceptance Criteria: Given restaurant credentials are validWhen they log inThen they should access their order dashboard |

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| User Story No: 21 | Tasks: High | Priority: 4 |
|  As a restaurant, I want to view incoming orders so that I can start preparation. |
| BV: 10 | CP: 5 |
| Acceptance Criteria: Given new orders are placedWhen the restaurant checks the dashboardThen new orders should be listed with details |

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| User Story No: 22  | Tasks: Medium | Priority: 2 |
|  As a restaurant, I want to verify the delivery boy at pickup so that I ensure safe and correct delivery. |
| BV: 7 | CP: 3 |
| Acceptance Criteria: Given a delivery boy arrives for pickupWhen they provide verification (e.g., ID, order number)Then the restaurant can mark the order as picked |

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| User Story No: 23  | Tasks: High | Priority: 5 |
|  As a restaurant, I want to receive payments for completed orders so that I can manage finances. |
| BV: 10 | CP: 8 |
| Acceptance Criteria: Given orders are completedWhen viewing payment reportsThen the restaurant should see payments due and received |

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| User Story No: 24 | Tasks: Medium | Priority: 2 |
| As a restaurant, I want to view customer feedback so that I can improve my service.  |
| BV: 7 | CP: 3 |
| Acceptance Criteria: Given the restaurant has received reviewsWhen they open the feedback sectionThen feedback should be shown per order |

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| User Story No: 25  | Tasks: Medium | Priority: 3 |
| As a restaurant, I want to raise issues (e.g., late pickup, missing delivery boy) so that they can be resolved.  |
| BV: 8 | CP: 3 |
| Acceptance Criteria: Given an issue occurs (e.g., late pickup)When the restaurant submits an issue reportThen it should be logged and acknowledged |

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| User Story No: 26  | Tasks: Medium | Priority: 4 |
|  As a restaurant, I want to see revenue generated through Scrum Foods so that I can track business growth. |
| BV: 8 | CP: 5 |
| Acceptance Criteria: Given the restaurant has completed transactionsWhen they open "Revenue Reports"Then daily, weekly, and monthly summaries should be shown |

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| User Story No: 27  | Tasks: High | Priority: 4 |
|  As a regional admin, I want to log in and manage assigned restaurants and delivery boys so that I maintain operational control  |
| BV: 8 | CP: 5 |
| Acceptance Criteria: Given regional admin credentials are validWhen they log inThen they can manage restaurants and delivery boys in their region |

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| User Story No: 28  | Tasks: High | Priority: 5 |
| As a regional admin, I want to track delivery statuses in real time so that I can monitor performance. |
| BV: 9 | CP: 8 |
| Acceptance Criteria: Given orders are in progressWhen the regional admin accesses trackingThen they should see real-time statuses |

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| User Story No: 29  | Tasks: Medium | Priority: 3 |
|  As a regional admin, I want to view and respond to customer feedback and complaints so that service improves. |
| BV: 7 | CP: 5 |
| Acceptance Criteria: Given customer feedback is submittedWhen the regional admin opens the feedback panelThen they can reply or take action |

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| User Story No: 30 | Tasks: High | Priority: 4 |
|  As a regional admin, I want to process refunds in my region so that customers are compensated appropriately. |
| BV: 9 | CP: 5 |
| Acceptance Criteria: Given a valid refund request is submittedWhen the admin reviews and approves itThen the refund should be processed and reflected in user records |

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| User Story No: 31  | Tasks: Medium | Priority: 4 |
| As a regional admin, I want to view payment reports for restaurants in my region so that I ensure timely disbursement. |
| BV: 8 | CP: 5 |
| Acceptance Criteria: Given restaurants have received paymentsWhen the admin checks payment dataThen accurate, up-to-date records should be shown |

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| User Story No: 32  | Tasks: Medium | Priority: 2 |
| As a regional admin, I want to raise issues to central admin when regional support is insufficient so that they get escalated. |
| BV: 7 | CP: 3  |
| Acceptance Criteria: Given an issue can't be resolved regionallyWhen it is escalatedThen the central admin should be notified |

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| User Story No: 33  | Tasks: High  | Priority: 3 |
| As an admin, I want to log in to a secure admin portal so that I can manage the platform. |
| BV: 8 | CP: 3 |
| Acceptance Criteria: Given valid admin credentialsWhen enteredThen the admin dashboard should be accessible |

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| User Story No: 34  | Tasks: High | Priority: 4 |
| As an admin, I want to approve or reject restaurant and delivery boy registrations so that only valid accounts are activated. |
| BV: 9  | CP: 5 |
| Acceptance Criteria: Given pending requests existWhen the admin reviews detailsThen they can approve or reject with comments |

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| User Story No: 35  | Tasks: Medium | Priority: 3 |
| As an admin, I want to manage regional admins so that I can delegate and monitor region-specific tasks. |
| BV: 8 | CP: 5 |
| Acceptance Criteria: Given a new regional admin needs to be added or editedWhen the admin updates the profileThen the change should be saved |

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| User Story No: 36  | Tasks: Medium | Priority: 3 |
| As an admin, I want to view and manage platform-wide customer feedback and complaints so that major issues are addressed. |
| BV: 9 | CP: 5 |
| Acceptance Criteria: Given feedback is reported as unresolvedWhen the admin reviews itThen they can intervene or assign it to the correct regional admin |

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| User Story No: 37 | Tasks: High | Priority: 4 |
| As an admin, I want to resolve issues escalated from regional admins so that service continuity is maintained. |
| BV: 9 | CP: 5 |
| Acceptance Criteria: Given an issue has been escalatedWhen the admin views itThen they can take action and mark it resolved |

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| User Story No: 38  | Tasks: Medium | Priority: 3 |
| As a business owner,I want to log in to view business performance metrics so that I can make informed decisions. |
| BV: 8 | CP: 3 |
| Acceptance Criteria: Given business owner credentials are validWhen logged inThen they should see key metrics like total orders, revenue, regions |

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| User Story No: 39  | Tasks: High | Priority: 4 |
| As a business owner, I want to update payment records for restaurants and delivery boys so that they are compensated accurately. |
| BV: 9 | CP: 5 |
| Acceptance Criteria: Given payment data needs adjustmentWhen the owner updates itThen the system should reflect the new records accurately |

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| User Story No: 40  | Tasks: High | Priority: 4 |
| As a business owner, I want to view overall reports and trends so that I can plan future growth strategies. |
| BV: 9 | CP: 5 |
| Acceptance Criteria: Given the business has data over timeWhen viewing the reportsThen trends, insights, and visual charts should be displayed |

Question 2: What is epic? Write 2 epics

An **epic** is a large body of work that can be broken down into smaller tasks or **user stories**. It represents a significant feature or initiative that delivers value to the user or business but is **too big to complete in a single sprint**.

* Epics help organize the product backlog at a higher level.
* Each epic is usually delivered across **multiple sprints**.
* Epics can be further broken down into **user stories**, which are smaller, actionable tasks.

Epic 1: Customer Food Ordering & Delivery Experience

**Goal:** Enable customers to register, browse restaurants, place orders, and track deliveries.

**Includes User Stories:**

1. Register an account
2. Login securely
3. Search restaurants
4. View restaurant menu
5. Place an order
6. Make payments
7. Track delivery in real time
8. Cancel order
9. Leave feedback and rating
10. Logout securely

**Outcome:** A complete, seamless ordering and delivery flow for customers.

**Epic 2: Delivery Boy Order Fulfillment & Earnings**

**Goal:** Enable delivery boys to manage orders, deliveries, payments, and performance reports.

**Includes User Stories:**

1. Register with documents
2. Login to delivery dashboard
3. View available orders
4. Accept orders
5. Update order status
6. Handle COD
7. View customer feedback
8. View delivery & revenue reports

**Outcome:** A fully functioning delivery system ensuring efficient order fulfillment and driver accountability.

Question 4: What is the difference between BV and CP

Answer:

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| Business Value | Complexity Points |
| This tells us how important or valuable a user story is to the business or customer | This tells us how difficult or time-consuming a user story is to implement from the developer perspective |
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| It focuses on the impact and benefit to the user or business |

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 | It focuses on the Effort, risk, and uncertainty for the development team |
| Product owner assigns it to the business owners | Project manager assigns it to the development team  |
| Used to prioritize stories in the product backlog | Used to estimate work during sprint planning |

Question 5: Explain about Sprint

Answer: A **Sprint** is a short, time-boxed period in Scrum during which a specific set of work is planned, developed, tested, and made potentially shippable. It is the core unit of development in Agile Scrum.

Duration: Sprint duration is typically between 2-4 weeks and most commonly its 2 weeks.

Once a sprint starts, the goal is to complete the set of user stories that was decided and agreed upon before starting the sprint

Scrum is a sub unit of sprint. 1 day is 1 scrum day.

At the end of the scrum day, a stand-up meeting is held and we invite all the stakeholder and discuss on what was done that day, what are the plans for the next day and what are the challenges they faced that day.

Under Sprint backlog, we have 4 columns as PBI (Product backlog item), Tasks, WIP and done.

PBI has the items that we have taken from product backlog bin to sprint backlog which are supposed to be completed within the sprint.

Tasks are the PBI that the developers have picked up, WIP is work in progress or the work that is being done by the developers and done is when the PBI is completed, developed and tested.

By the end of every Sprint, we need to have a shippable increment that we agreed on before starting it.

Question 6: Explain about Product backlog and sprint backlog

Answer:

Product Backlog: Once the use stories are created and given Acceptance criteria, Business Value and Complexity points, they are then moved to product backlog by the product owner. It has all the user stories and does not have a limit. It keeps getting updated as new requirements keep getting added.

Sprint backlog: Once the user stories are put in the product backlog, during the sprint planning meeting they decide on how many stories can be complete during that sprint (2 weeks) and are moved to Sprint backlog. The sprint backlog is a table that contains PBI (Product backlog items), Tasks, WIP and done status.

Question 7: What is impediments log? Write 2 impediments

Answer: An **Impediments Log** is a tool used by Scrum teams—especially the **Scrum Master**—to track issues or obstacles that **block or slow down** the team’s progress during a sprint.

It is owned the Scrum master and is often updated after the end of the scrum day or the daily stand-up call. This log is shared with the team and the stakeholders to maintain transparency

1: **Impediment:** Payment gateway API is not responding

* **Impact:** Payment feature cannot be tested or completed
* **Status:** Blocked
* **Action:** Scrum Master to follow up with payment provider's support team

2: **Impediment:** One developer lacks access to the staging environment

* **Impact:** Unable to deploy and test restaurant order flow
* **Status:** In Progress
* **Action:** Scrum Master to coordinate with DevOps to grant access

Question 8: Explain velocity of the team.

Answer: **Velocity** is a **measure of the amount of work a Scrum team can complete in a single sprint**. It helps teams understand their capacity and **predict how much work they can handle in future sprints**.

Velocity is calculated by dividing the number of backlog items or user story points that's been delivered during the course of several sprints by the total number of days in those sprints

Question 9: Draw Sprint burndown and product burndown charts.

Sprint burnup chart



Sprint burndown chart



Question 10: Explain about Product Grooming.

Answer: Whenever a Sprint retrospective meeting is conducted and at the end of the meeting, the output of it is taken and given to the sprint planning meeting for the next sprint. During this we can refine the ideas and we may get new ideas. These ideas are discussed with the stakeholders and once they agree and approve, we add them to the product backlog.

Question 11: Explain the roles of Scrum Master and Product Owner

Scrum Master: Scrum Master role is similar to the Project Manager role. He is the one who ensures all the agile practices are followed properly, facilitate the meetings, coach the team on agile practices and mainly focuses that the product is built right. He decides the team, allocation of the team.

Product Owner: Product owner role is similar to the Business Analyst role. He creates, maintain and prioritize the product backlog. Ensure PBI are clearly defined, break down the features into manageable user stories. Collaborates with the stakeholders. Ensure the team builds what is needed for the project. Define acceptance criteria.

Question 12: Explain all the meetings conducted in Scrum project.

Answer:

Scrum day means 1 day.

In a scrum project the following meetings are conducted:

Daily standup meeting: This is a meeting that is conducted end of the day everyday and all the stakeholders are invited and they discuss about what work was done that day, what was pending and what were the challenges they faced that day.

Usually, 1 sprint is for 2 weeks and sometimes it ranges between 2-4 weeks.

Sprint planning meeting: In this meeting all the stakeholders are invited and they discuss on the number of user stories they are going to work on in the upcoming Sprint and how the work is going to be divided.

Sprint review meeting: In this meeting even the people who want to know what’s going on with our project or whoever is interested in our project along with the project stakeholders. They discuss about what has happened in the earlier sprint and through this meeting we can get some more inputs which can be discussed with the client and once they approve, they are treated as new user stories and are added to the product backlog.

Sprint retrospective meeting: In this meeting only the developers take part and discuss about what went well, what were the challenges faced and lessons learnt.

Question 13: Explain Sprint size and scrum size:

Answer: Sprint is usually 2 weeks, however, sometimes it between 2-4 weeks.

Scrum size is usually consists of 1 Scrum master, 1 Product Owner and 8 Developers.

Scrum master is similar to a Project manager, Business analyst role is similar to a Product owner.

Question 14: Explain DOR and DOD.

Answer:

DOR stands for Definition of Ready. It is a checklist that must be met by a user story before it is moved to the sprint. It usually means, the user story should have the acceptance criteria, complexity/story points, the team should understand its business value.

DOD stands for Definition of Done. It is a checklist that states that the user story is completed and is ready to be given to the client. In this checklist, there are criteria like if the code is written, reviewed and tested, if the code is deployed, RTM document needs to be updated.

Question 15: Explain prioritization techniques and MVP

Answer:

Prioritization techniques: We use these techniques in order to prioritize which requirements need to be prioritized and worked on.

We can use the MoSCoW technique which stands for Must, Should, Could, Would/Wont.

Must states that this requirement is a mandatory requirement.

Should states that this requirement is necessary in order for the other requirement to work.

Could states that this requirement could be useful or optional.

Would/Wont states that the requirement may/may not be helpful.

We also have the Currency notes technique where the fake notes are given to the stakeholders and are asked to use them on the requirements basis on what they think is most important to them and in the end, we calculate the total given to each req by the stakeholders and prioritize it accordingly.

MVP stands for Minimum Viable product. With this, only the main features in a product are created and released to the client and it just meets the primary needs of the client. It helps develop the product even more based on the actual need.

Question 16: Difference between Product Owner and Business Analyst.

Answer:

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| Business Analyst | Product Owner |
| Takes care of the complete req process  | Takes care of only the product value and delivery |
| Business Analyst can only advise the Project manager but cant take final decisions | Takes the final decision |
| Deals with internal and business stakeholders | Deals directly with the client and end users |
| He is the owner of the requirements gathered | Takes ownership of the product vision and backlog |

Question 17: Prepare s Sample resume of # years exp Product Owner

Answer:



