Q1 ) Write Agile Manifesto ?

ANS :- An agile software development professional who wanted a more flexible, efficient and customer focused approach to software development. It consists of four core values and twelve principle that emphasize collaboration adaptability and continuous improvement. Basically there are four core main value agile has.

Four core values of the Agile Manifesto

* Individuals and interactions over processes and tools :- Agile prioritize people, team work and communication rather than relying on much on rigid process and tools.
* Working software over comprehensive documentation :- While documentation is important delivering functional software is the main priority.
* Customer collaboration over contract negotiation :- Agile encourages ongoing communication with customer rather than sticking strictly to a pre-defined contract.
* Responding to change over following a plan :- Agile embraces, change allowing teams to adapt quickly to new requirement and market shifts.

These are the core value of the agile manifesto also it has twelve principle in the agile as given below.

* Twelve principle of Agile
* Customer satisfaction through early and continuous delivery of valuable software :- Deliver functional increments frequently to keep customers engaged.
* Welcome changing requirements even late in the development :- Agile adapts to changes, improving competitive adavantage.
* Deliver working software frequently :- Regular releases ensure quick feedback and course correction.
* Business and development teams must work together daily :- collaboration ensures alignment between technical and business goals.
* Build project around motivated individuals :- provide autonomy and support to enhance productivity .
* Face to face communication is the most effective form of conveying information : - Direct interaction improve clarity and reduce misunderstanding .
* Working software is the primary measure of progress :- success is determined by the delivering functional software not just completing tasks.
* Sustainable development pace must be maintained :- team should work at a consistent , manageable speed.
* Continuous attention to technical excellence and good design enhances agility :- high quality code ensures adaptability to future changes.
* Simplicity is the essential part :- focus on only what is necessary avoiding unnecessary complexity ,
* Self organizing teams produce the best solutions :- team should be empowered to make decisions independently.
* Regular reflection and adaptation improve efficiency : - Team should frequently review their process and make necessary improvement..

Q 2 ) User stories Acceptance Criteria BV-CP ?

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| User Story no. 1 | Tasks 2 | | Priority : Highest |
| As a user,  I want to register with my email and password,  So that I can create an account . | | | |
| BV : 500 | | CP : 4 | |
| Acceptance criteria  User can register with email and password.  System validates unique email.  User receives a confirmation mail. | | | |

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| User Story no. 2 | Tasks 2 | | Priority : Highest |
| AS a user,  I want to log in using my email and password,  So that I can access my account. | | | |
| BV : 700 | | CP : 3 | |
| Acceptance criteria  User enters correct credential to log in.  System provides error message for incorrect credentials.  User stays logged in until they log out manually. | | | |

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| User Story no. 3 | Tasks 2 | | Priority : Highest |
| As a user,  I want to search for products by name ,  So that I can find what I need. | | | |
| BV :700 | | CP :5 | |
| Acceptance criteria  User can search by keyword.  Search result display relevant products.  System supports filtering by category price, and brand. | | | |

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| User Story no. 4 | Tasks 2 | | Priority : medium |
| As a user,  I want to view product details,  So that I can make an informed purchase decision. | | | |
| BV : 500 | | CP : 3 | |
| Acceptance criteria  Product details include images, price and description.  User can select quantity and add to cart.  System shows product availability. | | | |

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| User Story no. 5 | Tasks 2 | | Priority : Medium |
| AS a user ,  I want to add item to my cart,  So that I can purchase them later. | | | |
| BV : 500 | | CP : 3 | |
| Acceptance criteria  User can add a product to the cart.  System updates cart quantity dynamically.  Cart persist across sessions. | | | |
| User Story no. 6 | Tasks 2 | | Priority : Highest |
| As a user ,  I want to complete a purchase securely ,  So that I can receive my order.  I | | | |
| BV : 700 | | CP : 7 | |

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| User Story no. 7 | Tasks 2 | | Priority : medium |
| As a user ,  I want to check my account balance ,  So that I can track my finances. | | | |
| BV : 500 | | CP : 5 | |
| Acceptance criteria ,  User logs in and view balance in real time.  System updates transactions instantly. | | | |
| User Story no. 8 | Tasks 2 | | Priority : high |
| As a customer,  I want to transfer funds between my accounts,  So that I can manage my money | | | |
| BV : 900 | | CP : 7 | |
| Acceptance criteria ,  User selects accounts and enters an amount.  System verifies and completes the transfer.  Confirmation message is displayed. | | | |
| User Story no. 9 | Tasks 2 | | Priority : Highest |
| As a user,  I want to pay my bills online,  So that I don’t have to visit a branch . | | | |
| BV : 900 | | CP : 9 | |

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| User Story no. 10 | Tasks 2 | | Priority : Highest |
| As a patient ,  I want to book and appointment with a doctor ,  So that I can receive medical care. | | | |
| BV : 900 | | CP : 7 | |
| Acceptance criteria ,  User select a doctor and preferred time.  System verifies availability.  Confirmation is sent via email/SMS. | | | |
| User Story no. 11 | Tasks 2 | | Priority : Highest |
| As a customer,  I want a smooth checkout process so that,  I can complete my purchase | | | |
| BV : 600 | | CP : 7 | |
| Acceptance criteria ,  User should be able to select a payment method.  Order summary should be displayed before payment. | | | |
| User Story no. 13 | Tasks 2 | | Priority : medium |
| AS a user ,  I want to track my order so that,  I know the delivery status. | | | |
| BV : 500 | | CP : 6 | |
| Acceptance criteria ,  User can see live order status updates.  Notifications should be sent at each delivery stage. | | | |
| User Story no. 12 | Tasks 2 | | Priority : Highest |
| As a user ,  I want secure payment options so that,  I can pay safely. | | | |
| BV : 800 | | CP : 8 | |
| Acceptance criteria ,  The system should support credit card, debit and UPI.  Transaction success or failure messages should be displayed. | | | |

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| User Story no. 14 | Tasks 2 | | Priority : Medium |
| AS a user,  I want to add products to wishlist,  So that I can purchase them later. | | | |
| BV : 600 | | CP : 5 | |
| Acceptance criteria ,  User can add/remove items from whish list.  Whishlist item should be saved for later visist. | | | |

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| User Story no. 15 | Tasks 2 | | Priority : Highest |
| AS a new customer,  I want to create a bank account so that I can manage my finances. | | | |
| BV : 900 | | CP : 7 | |
| Acceptance criteria ,  User should be able to submit KYC documents.  They system should generate a unique account number. | | | |
| User Story no. 16 | Tasks 2 | | Priority : Highest |
| As a user ,  I want to transfer funds so that,  I can send money to others. | | | |
| BV : 900 | | CP : 8 | |
| Acceptance criteria ,    User can transfer money using account number or UPI.  Transfer should be completed within seconds. | | | |
| User Story no. 17 | Tasks 2 | | Priority : Highest |
| As a patient ,  I want to book an appointment ,  So that I can consult a doctor. | | | |
| BV : 900 | | CP : 7 | |

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| User Story no. 18 | Tasks 2 | | Priority : Highest |
| As a patient ,  I want to upload prescriptions so that I can get medicines. | | | |
| BV : 700 | | CP : 5 | |
| Acceptance criteria ,    Users should be able to upload PDF or image files.  They system should verify the prescription. | | | |
| User Story no. 19 | Tasks 2 | | Priority : Highest |
| As a store manager,  I want to manage inventory,  So that I can avoid stockouts. | | | |
| BV : 900 | | CP : 7 | |
| Acceptance criteria ,    Inventory levels should update in real-time.  Alerts should be generated for low stock. | | | |
| User Story no. 20 | Tasks 2 | | Priority : Highest |
| AS an admin,  I want to generate sales reports so that I can analyze business performance. | | | |
| BV : 900 | | CP : 6 | |
| Acceptance criteria ,  User should filter reports by date.  Report should be downloadable in PDF and EXCEL. | | | |
| User Story no. 21 | Tasks 2 | | Priority : Highest |
| As a student,  I want to enroll in courses ,  So that I can start learning. | | | |
| BV : 900 | | CP : 6 | |
| Acceptance criteria ,    Users should see available courses.  Enrollment confirmation should be sent. | | | |
| User Story no. 22 | Tasks 2 | | Priority : Highest |
| As a student ,  I want to take online assessments so that I can test my knowledge. | | | |
| BV : 1000 | | CP : 6 | |
| Acceptance criteria ,  User should have a time limit per test.  Scores should be displayed immediately. | | | |
| User Story no. 23 | Tasks 2 | | Priority : Medium |
| As a customer,  I want to apply discount coupons,  So that I can save money on purchases. | | | |
| BV : 600 | | CP : 5 | |

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| User Story no. 24 | Tasks 2 | | Priority : Highest |
| As a user ,  I want to leave reviews and ratings,  So that I can share my experience. | | | |
| BV : 900 | | CP : 6 | |
| Acceptance criteria ,    Users should be able to rate products from 1 to 5 starts.  Reviews should be moderated before publishing. | | | |
| User Story no. 25 | Tasks 2 | | Priority : Highest |
| As a user,  I want to cancel orders and get refund,  So that I have flexibility. | | | |
| BV : 900 | | CP : 7 | |
| Acceptance criteria ,  User should cancel within a given timeframe.  Refunds should be processed within 5 working days. | | | |
| User Story no. 26 | Tasks 2 | | Priority : Highest |
| As a user,  I want to chat with customer support,  So that I can resolve my issues quickly . | | | |
| BV : 900 | | CP : 7 | |

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| User Story no. 27 | Tasks 2 | | Priority : medium |
| As a user ,  I want to apply for a loan so that I can get financial assistance. | | | |
| BV : 900 | | CP : 5 | |
| Acceptance criteria ,    Users should submit KYC and income proof.  Loan status should be updated in real-time. | | | |
| User Story no. 28 | Tasks 2 | | Priority : Highest |
| As a user,  I want to pay my credit card bill ,  So that I can avoid late fees. | | | |
| BV : 900 | | CP : 6 | |
| Acceptance criteria ,    User should see the total due amount.  Payment confirmation should be sent instantly. | | | |
| User Story no. 29 | Tasks 2 | | Priority : |
| As a user ,  I want to find nearby ATMs ,  So that I can withdraw cash easily. | | | |
| BV : 900 | | CP : 7 | |
| Acceptance criteria ,  Users should search by location.  ATM details should be displayed with availability status. | | | |

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| User Story no. 30 | Tasks 2 | | Priority : Medium |
| As a user,  I want to download my account statement,  So that I can track transactions. | | | |
| BV : 500 | | CP : 5 | |
| Acceptance criteria ,    User should select a date range.  The statement should be available in PDF and CSV formats. | | | |
| User Story no. 31 | Tasks 2 | | Priority : Highest |
| As a patient ,  I want to book lab tests so ,  So that I can get diagnostic reports. | | | |
| BV : 900 | | CP : 6 | |
| Acceptance criteria ,    Users should select a test and time slot.  Reports should be available within the specified timeframe. | | | |
| User Story no. 32 | Tasks 2 | | Priority : Highest |
| As a user,  I want to access my medical history ,  So that I can share it with doctors. | | | |
| BV : 900 | | CP : 7 | |
| Acceptance criteria ,  Users should view and download past reports.  Data should be securely encrypted. | | | |
| User Story no. 32 | Tasks 2 | | Priority : medium |
| As a patient ,  I want medication reminders ,  So that I take my medicines on time. | | | |
| BV : 700 | | CP : 5 | |
| Acceptance criteria ,    User should set custom reminders.  Notifications should be sent via app and email. | | | |
| User Story no. 33 | Tasks 2 | | Priority : Highest |
| As a store manager,  I want to track employee attendance,  So that I can ensure productivity. | | | |
| BV : 800 | | CP : 6 | |
| Acceptance criteria ,  Employees should mark attendance via the system.  Reports should be generated for HR analysis. | | | |
| User Story no. 34 | Tasks 2 | | Priority : Highest |
| As a cashier,  I want automated billing ,  So that I can speed up the checkout process. | | | |
| BV : 900 | | CP : 7 | |
| Acceptance criteria ,  The system should auto-calculate totals and taxes.  Customers should receive digital invoices. | | | |
| User Story no. 35 | Tasks 2 | | Priority : Highest |
| As a student ,  I want live classes so that I can interact with instructors. | | | |
| BV : 900 | | CP : 7 | |
| Acceptance criteria ,  Users should receive class notifications.  Classes should support Q&A and chat features. | | | |
| User Story no. 36 | Tasks 2 | | Priority : Highest |
| AS a student ,  I want course completion certificates,  So that I can showcase my skills. | | | |
| BV : 900 | | CP : 7 | |
| Acceptance criteria ,  Certificates should be generated automatically.  Users should download them in PDF Format . | | | |
| User Story no.37 | Tasks 2 | | Priority : Highest |
| As a student ,  I want a discussion forum ,  So that I can interact with classmates. | | | |
| BV : 900 | | CP : 7 | |
| Acceptance criteria ,  Users should post and comment on discussion.  Moderation should prevent inappropriate content, | | | |
| User Story no. 38 | Tasks 2 | | Priority : Medium |
| As a user,  I want to customize my profile,  So that I can express my personality . | | | |
| BV : 700 | | CP : 5 | |
| Acceptance criteria ,  User should change profile pictures and bios.  Privacy setting should be adjustable. | | | |
| User Story no. 39 | Tasks 2 | | Priority : Highest |
| As a user,  I want to send and accept friend requests,  So that I can connect with others. | | | |
| BV : 900 | | CP : 6 | |
| Acceptance criteria ,  Users should send, accept and reject requests.  Notifications should be sent for new request. | | | |
| User Story no. 40 | Tasks 2 | | Priority : Highest |
| As a user,  I want to share posts,  So that I can express my thoughts. | | | |
| BV : 700 | | CP : 6 | |
| Acceptance criteria ,  User should upload text, images and videos .  Posts should have like and comment options. | | | |

Q 3 ) What is epic ? write 2 epic ?

ANS :- In a agile framework, an epic is a large user story that cannot be completed within a single sprint and is broken down into smaller user stories for easier implementation. Epics usually represent high level requirements or business needs.

1. E- commerce website checkout process :- As customer, I want a seamless checkout process so that I can quickly process so that I can quickly complete my purchase.
2. This epic can be broken down into smaller user stories like: adding items to cart, applying itms to the cart . applying discount codes, selecting payment options reviewing order summary.

* Mobile Banking App security enhancement :- As a user, I want improved security features so that my transactions are safe.
* This epic can include.
* Enabling biometric login.
* Adding transaction alerts.

Q4 ) what is the difference between BV and CP?

ANS :- BV :- Business talks about the particular feature that how the particular feature fore the development . and the business values is denoted by the currency note there are some scrum notes are available on the basis of that we are writing the Business value point like :- 100, 200, 500, 700, 900. And the estimation are done by the product owner, and scrum master. For the particular user story.

CP :-complexity point are also known as the story point and the complexity point are estimated by the scrum developer and also we are writing the complexity point with the poker card and there are some different value like 1, 2, 3 , 5 , 7 , 9 so these kind of value are there in the Cp is given on the basis of the complexity point on the basis of the complexity of the particular feature of the user story. For developing the specific feature development team is giving Complexity point.

Q5 ) Explain about the sprint ?

ANS :- A sprint is a time-boxed iteration in scrum a framework for agile project management. Its is a short , focused period is 1 to 4 week during which a scrum team work s to complete a set of prioritized work items from the product backlog.

* Key Feature of the a sprint :-
* Sprint typically last between one to four weeks, with tow weeks being the most common.
* The duration remains consistent throughout the project to maintain predeicatability.

Sprint planning :- before a sprint starts, the teams holds a sprint planning meeting.

They select high-priority item from the product backlog and defiene a sprint goal.

The selected work items move to the sprint backlog.

Daily scrum :-

A 15 minutes daily meeting where the team discuss :-

* What they completed yesterday.
* What they plan to do today.
* Any obstacles they are facing.

Increment :-

At the end of a sprint , they team delivers a working product increment that meets the definition of done.

This means it is tested, reviewed , and potentially shippable.

Sprint Review ;-

A meeting where the team demonstrates the completed work to stakeholders.

Feedback is collected and can be used to refine the product backlog.

Sprint retrospective :-

A reflective meeting held after each sprint to discuss:

* What went well?
* What went wrong?
* What improvement can be made for the next sprint ?

7 no changes mid-sprint :-

Once a sprint starts, the scope is locked to maintain focus.

Any new requirements go into the product backlog for future sprints

Sprint cycle flow : Sprint planning > daily scrums > development work > sprint review > sprint retrospective > next sprint .

Q 6) Explain product backlog and sprint back log ?

ANS :- Product backlog is a prioritized list of all the features , enhancements , bug fixes technical work, and knowledge acquisition needed for a product. It serves as the single source of truth for what needs to be done.

* Owned and maintained by the product owner.
* Continuously updated and refined
* Item are prioritized based on business vale and urgency .
* Contains epics, user stories , and tasks.
* It evolves as new requirement emerge.

**Sprint Backlog :** sprint backlog is a subset of the product backlog. It consists of the specific item selected for a sprint, along with a plan to complete them.

* Created during sprint planning
* Owned and managed by the development team.
* Provides a detailed breakdown of work, tasks, estimates, responsibilities.

Conclusion :- Product backlog = A big to do list for the entire product.

Sprint backlog = a short-term execution plan for single sprint.

Q7 ) What is impediments log ? write 2 impediments ?

ANS :- An impediment log is a document or tool used to t track, obstacle, issues or blockers that hinder a teams progress in agile or scrum development . it helps team identify , prioritize, and resolve impediments efficiently.

Each impediment log contain the following details :-

* Impediment ID - A unique identifier for tracking.
* Data logged – when the impediment was reported.
* Description - a clear explanation of the issue.
* Impact - how it affects progess.
* Priority – high, medium, low based on severity.
* Owner - the person or team responsible for resolving it.
* Status – open, in progress, resolved, or closed.
* Resolution – actions taken to remove the impediment.
* Resolution date –when the impediment was resolved.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Date | Description | Impact | Priority | Owner | Status | Resolution | Resou Date |
| IMP001 | 17-3-2025 | Server down it may affecting deployment | Sprint release delayed | High | Development  Team | In progress | IT team investing at in root cause | - |
| IMP002 | 18-3-2025 | Product owner unavailable for backlog clarification | User stories cannot be refined. | Medium | Scrum master | Open | Scheduling alternative session with the team | - |

Q8 ) Explain velocity of the team ?

ANS :- Velocity is a key agile metric that represent the amount of work a team can complete in a sprint. It is typically measured in story point, ideal days, or other estimation units. Velocity helps teams forecast how much work they can handle in future sprint based on past performance.

How is velocity calculated ?

Velocity is determined by summing up the story point of all the user stories that were completed during a sprint.

For example – sprint 1- the team completes stories worth 20 points.

Sprint 2 - the team completes stories worth 25 points

Sprint 3 – the team completes stories worth 22 points

SO for this all the stories the average velocity = (20+25+22)/3= 22.3 point per sprint.

Complexity points are covered :-

* Team capacity – availability of team members , vacations , commitment .
* Work complexity - the nature of task, come sprint may involve simper stories, while other may include complex ones.
* Team experience – A mature, well-coordinated team usually has a stable velocity.

If a team consistently deliver 20-25 points per sprint, this becomes a benchmark for future sprint planning. However, velocity is not fixed it may change as the team improves, faces challenges, or adjust to different .

Q9 ) create a sprint burn down chart n product burn down chart ?

ANS:-

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| Burndown chart | | |
| **Dates** | **Planned task** | **Actual task** |
| 1/1/2022 | 10 | 10 |
| 2/1/2022 | 9 | 15 |
| 3/1/2022 | 8 | 9 |
| 4/1/2022 | 7 | 6 |
| 5/2/2022 | 5 | 5 |
| 6/3/2022 | 4 | 7 |
| 7/4/2021 | 3 | 4 |
|  |  |  |

2 ) product burn down chart –

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| --- | --- | --- | --- |
| Day | Dates | Planned Tasks | Remaining task |
| 1 | 1-Jan-22 | 15 | 15 |
| 2 | 2-Jan-22 | 14 | 12 |
| 3 | 3-Jan-22 | 13 | 7 |
| 4 | 4-Jan-22 | 12 | 8 |
| 5 | 5-Jan-22 | 11 | 4 |
| 6 | 6-Jan-22 | 10 | 9 |
| 7 | 7-Jan-22 | 5 |  |
| 8 | 8-Jan-22 | 8 |  |
| 9 | 9-Jan-22 | 7 |  |
| 10 | 10-Jan-22 | 6 |  |

Q10 ) Explain about the Product grooming ?

ANS :- Product grooming also know as backlog grooming is collaborative process where product owners, business analysts , developers and other stakeholders regularly review and reifen the product backlog. The goal is to ensure that backlog items are well-defined and ready for upcoming development sprints.

* Review and prioritize backlog item
* Break down epics into user stories
* Clarify requirements and acceptance criteria
* Estimate story points
* Identify the dependences and the risk

Benefits of the product grooming :-

Improves sprint efficiency by reducing last minute clarifications

* Ensures backlog remains relevant and up to date
* Helps team to provide better estimations and avoid scope creep.
* Identify and mitigates risk early.

Q11 ) Explain the role of scrum master and product owner?

ANS ;- in scrum , the scrum master and product owner have distinct but complementary roles that contribute to the success of an agile team. The scrum master ensures that the team follows scrum practices effectively and continuously improves.

Responsibilities Scrum master :-

* Organizes and runs daily standup , sprint planning, sprint review, and retrospectives.
* Identifies and eliminates obstacles that hinder the teams progress.
* Guide the team on agile principle , self organization and continuous improvement.
* Shields the team from external distraction and unnecessary pressure.
* Improves process helps the team refine its workflow to maximize effiecieny and quality.

Product owner :- The product owner is responsible for maximizing the value of the product by defining and prioritizing work for the development team.

Key Responsibilities :-

* Define the product vision :- establishes a clear vision and communicates it to the team.
* Manages the product backlog :- creates, prioritizes and refines user stores in the backlog.
* Act as the customer voice :- represents stakeholders, customers and business needs to ensure the team builds valuable features.
* Ensures celar requirements :- works with the team sot clarify requirement and acceptance criteria .
* Makes business decisions :- balances business goals , user need and technical feasibility.
* Accept or rejects work :- reviews and approves completed work to ensure it meets business expectations.

Q12 ) Explain all meeting conducted in scrum project ?

ANS :- In a scrum project , several key meeting are conducted to ensure smooth collaboration, transparency and continuous improvement. These meetings help the scrum team align on goals track progress, and adapt to changes efficiently. The main scrum meetings are .

1. Sprint planning :- Define the what can be delivered in the upcoming sprint and how the work will be accomplished.
2. Participants :- Product owner , scrum master development team.
3. Duration :- typically 2 hours per sprint , and the timing is 2 week to 4 week.

Key activities ;-

* The product owner presents the prioritized backlog.
* The development team selects item for the sprint.
* The team discusses how to accomplish the work and estimates tasks.
* A sprint goal is defined.

1. Daily Stand-up meeting ;-

Purpose :- Ensure team members are aligned , identify blockers, and adjust plans if needed.

Participants : development team product owner and scrum master may attend but don’t drive the meeting

Duration : 15 minutes

Key activities : each team member answer three questions : what did I do yesterday , what will I do today?

Are there any impediments in my way?

Sprint Review :-

Purpose :- Demonstrate the completed work to stakeholders and get feedback.

Participants : scrum team , stakeholders, customer managers.

Activities :-

* The development team present the work done.
* Stakeholders provide feedback.
* The product owner updates the backlog if necessary based on feedback.

Sprint retrospective :-

Purpose :- Reflect on the sprint to improve processes and teamwork in the next sprint.

Participant : scrum master, development team, product owner.

Duration : 45 minutes to 3 hours depending on sprint length.

Key activities :- What went well?, what could be improved ? what actions will we take to improve?

1. Backlog refinement:

Purpose :- keep the product backlog well-defined and ready fo rfuure sprints.

Participants : product owner , scrum master, development team.

Duration : Ongoing as per the project.

Key Activities :- review backlog items

* Clarify requirements
* Break down large stories into smaller ones.
* Estimates tasks.

Q13) explain sprint size and scrum size ?

ANS :-

1. Sprint size :- refers to the amount of work planned for a single sprint . its is usually measured in terms of story points

* Story points :- effort estimation using Fibonacci number like 1, 2, 3, 5, 8.
* Number of user stories :- in this all features are committed for the sprint.
* Time duration :- 1 to 4 week as per sprint.

Example :- a development team has a velocity of 30 story points per sprint. In the next sprint they estimate they can complete 28-32 story points worth of work. This is their sprint size.

1. Scrum size : Scrum size typically refers to the size of a scrum team, which includes , product owner , scrum master , developers , tester designers.

IN the scrum team size there are 3 to 9 developers product owner and scrum master

The total team size should ideally be 10 or fewer to maintain agility and collaboration.

Ex : a scrum team developing a mobile app might have 1 product owner, 1 scrum master, and 6 developer , making the total 8 people a good scrum size for efficiency.

Q14 ) explain the DOR And DOD ?

ANS :-

1. DOR :- definition of Ready is a check list that defines when a user story or task si considered ready to be worked on by the development team it ensures that requirement are clear, dependencies are resolved, and acceptance criteria are well0-defined.

Elements :-

* The acceptance criteria is clearly written.
* The story is small enough to be completed within a sprint.
* The team understands the scope and expectations
* The product owner has approved the story.

1. DOD :- DoD is a checklist ther determines when a suer story, feature, or product increment is considered done and ready for release . it ensures that all quality standards and technical requirements are met.

Key elements of DOD :-

* Code is written and pree-reviewed.
* Unit and integration tests are passed.
* The feature is tested in a staging environment.
* Code is merged into the main branch without conflicts.
* Documentation is updated.
* The product owner has accepted the work.

Q15 ) explain prioritization Techniques and MVP?

ANS :- Prioritization is a crucial aspect of business analysis, especially when managing product features, requirements , or tasks . various techniques help teams decide what to focus on first based on business value, urgency , impact. Here are some widely used prioritization techniques , MoScOw method .

Minimum Viable Product :- an MVP is the simplest version of a product that delivers core value of early adopters while requiring minimal development effort. The goal is to validate the idea with real user, gather feedback for future iterations, reduce time anc cost before full-scale development.

Key features :-

* Minimum Features :- only essential functionalities are included.
* Quick to build : developed in a short time.
* User feedback driven : designed to test hypotheses and collect data.

Q 16 ) Difference between Business analyst and Product owner ?

ANS :- A business analyst and a product owner have overlapping responsibilities but serve different roles in an organization. Here a comparison based on key apect.

|  |  |  |
| --- | --- | --- |
| Aspect | Business analyst | Product owner |
| Primary focus | Analyzing business need and bridging gap between stakeholder and development team | Defining the product vision and prioritizing features to maximize value. |
| Responsibility | Gathering requirement, analyzing process and ensuring business need. | Owing the product backlog, defining priorities and working closely with the development team |
| Interaction | Works with business stakeholders, user and technical teams to gather and analyze requirement | Works with the customer stakeholder and development team to ensure the product meet the business goals. |
| Decision | Influences decision through analysis and recommendations. | Has final authority on product decisions. Backlog prioritization and feature relsease. |
| Scope of work | Broader, working across multiple project team or department. | Focused on a specific product or feature. |

Question 17 ) Prepare a sample resume for 3 year experience product owner ?

ANS :-

**Rahul Shinde**

**Maharashtra :** 413512

**Email :** [xyz@gmail.com](mailto:xyz@gmail.com)

**Phone no :-** 8188888809

**Professional summary :** Result- driven product owner with 3 years of experience in agile environments, driving product vision, backlog management , and cross-functional team collaboration. Skilled in defining product roadmaps, gathering business requirements, and delivering customer-centric solutions. Adept at working with stakeholders to maximize product value and ensure alignment with business objectives.

**Skills & Competencies :**

* Agile & scrum Methodology
* Product Roadmap planning
* Backlog management & prioritization
* Stakeholder management
* User story & acceptance criteria writing
* Data-driven Decision making.
* Sprint planning & execution.

**Professional Experience :**

Company Name : DWD Solutions

Location : USA

* Collaborate with stakeholders to define product vision and roadmap aligned with business goals.
* Manage and prioritize the product backlog to ensure efficient sprint execution.
* Work closely with development teams.
* Define clear user stories , acceptance criteria, and workflow for development team.
* Conduct sprint planning, daily stand-ups and retrospectives with Agile teams.

**Education :-**

|  |  |  |
| --- | --- | --- |
| Degree | University | Passing year |
| BSC | SRTMUN | 2023 |

**Certification :**

* Certified scrum product owner
* Professional scrum product owner

Project & Achievements

* Spearheaded a new customer feedback initiative , increasing user satisfaction scores.

**Tools & Technologies**

* JIRA, Confluence, Trello
* SQL, Google Analytics
* Figma, Miro

**Languages**

* English (Fluent )
* Hindi
* Marathi