Scrums Food (Food delivery application)

Question 1 – write Agile Manifesto – 8 Marks

Agile manifesto is a software guide that explain agile development principles and insure iterative product solutions.

It consists of 4 values and 12 principles

Four main principles

1. Individual and interaction over process tools
2. Working software over comprehensive documents
3. Customer collaboration over contract negotiation
4. Responding change over following plan

Twelve principles are as follows:

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

Scrums Food (Food delivery application)

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

Sprint 01:

User Story No:01	Tasks:02	Priority: HIGHEST
AS A CUSTOMER I WANT TO REGISTER IN SCRUM FOODS SO THAT I CAN MAKE ORDERS		
BV:500	CP:3	
ACCEPTANCE CRITERIA: 　1. Registration Page 　2. Text boxes for name, email, new password, registered, mobile no. 　3. Click on Register& Submit button 　4. Send SMS or email notification to user		

User Story No:02	Tasks:02	Priority: HIGHEST
AS A CUSTOMER I WANT TO LOGIN IN SCRUM FOODS SO THAT I VIEW AND SEARCH MENU		
BV:500	CP:3	
ACCEPTANCE CRITERIA: 　1. Login Page 　2. Text boxes for email /mobile Number and password 　3. Click on Login button 　4. Land on home page		

User Story No: 03	Tasks:02	Priority: HIGHEST
AS A CUSTOMER I WANT TO SELECT THE PAYMENT MODE SO THAT I CAN MAKE A PAYMENT OF MY CHOICE		
BV: 500	CP:3	
ACCEPTANCE CRITERIA: 　1. Display payments modes and radio buttons to select Payment mode, make payment button 　2. Business Rule: can select one payment mode at a time.		

Scrums Food (Food delivery application)

User Story No:04	Tasks:02	Priority: HIGHEST
AS A DELIVERY BOY I WANT TO REGISTER IN SCRUM FOODS SO THAT I CAN TAKE AND DELIVER ORDERS		
BV:500	CP:2	
ACCEPTANCE CRITERIA: 1. Registration Page 2. Text boxes for name, email, new password, registered, mobile no., Aadhar card number, DOB 3. Click on Register& Submit button 4. Send SMS or email notification to user 5. Business Rule: Only above 18yo persons can register		

User Story No:05	Tasks:02	Priority: HIGHEST
AS A DELIVERY BOY I WANT TO LOGIN IN SCRUM FOODS SO THAT I DELIVER ORDERS		
BV:500	CP:3	
ACCEPTANCE CRITERIA: 1. Login Page 2. Text boxes for email /mobile Number and password 3. Click on Login button 4. Land on home page		

User Story No: 06	Tasks:03	Priority: HIGHEST
AS A DELIVERY BOY I WANT TO VIEW ORDERS SO THAT I CAN VIEW LIST OF DELIVERY ORDERS		
BV:500	CP:3	
ACCEPTANCE CRITERIA: 1. View Orders 2. Show order list in tabular form		

Scrums Food (Food delivery application)

User Story No: 07	Tasks:03	Priority: HIGHEST
AS A DELIVERY BOY I WANT TO SELECT AND ACCEPT ORDERS SO THAT I CAN CONFIRM ORDERS AND DELIVER TO CUSTOMER		
BV:500		CP:3

ACCEPTANCE CRITERIA:
   1. View Orders
   2. Show order list in tabular form
   3. Select orders from list
   4. Click & confirm button to accept order		

User Story No: 08	Tasks:02	Priority: HIGHEST
AS A DELIVERY BOY I WANT TO ACCEPT COD PAYMENT SO THAT I CAN ACCEPT A CASH PAYMENT FROM CUSTOMERS		
BV: 500		CP:3

ACCEPTANCE CRITERIA:
   1. for cash payments Tick on COD option. Text boxes for amount and change money
   2. Confirm Payment button
   3. Business Rule: can select one payment mode at a time.		

User Story No:09	Tasks:02	Priority: HIGHEST
AS A RESTAURANT OWNER I WANT TO REGISTER IN SCRUM FOODS SO THAT I CAN ACCEPT ORDERS		
BV:500		CP:4

ACCEPTANCE CRITERIA:
   1. Registration Page
   2. Text boxes for name of restaurant, name of owner, email, new password, registered, mobile no., address of restaurant.
   3. Click on Register& Submit button
   4. Send SMS or email notification to user		

Scrums Food (Food delivery application)

User Story No:10	Tasks:02	Priority: HIGHEST
AS A RESTAURANT OWNER I WANT TO LOGIN IN SCRUM FOODS SO THAT I CAN ACCEPT ORDERS, VERIFY DELIVERY BOYS ETC		
BV:500	CP:3	

ACCEPTANCE CRITERIA:
   1. Login Page
   2. Text boxes for email /mobile Number and password
   3. Click on Login button
   4. Land on home page		

User Story No: 11	Tasks:03	Priority: HIGHEST
AS A RESTAURANT OWNER I WANT TO VIEW ORDERS SO THAT I CAN VIEW LIST OF ORDERS		
BV:500	CP:3	

ACCEPTANCE CRITERIA:
   1. View Orders
   2. Show order list in tabular form		

User Story No: 12	Tasks:03	Priority: HIGHEST
AS A RESTAURANT OWNER I WANT TO DO DELIVERY BOY VERIFICATION SO THAT I CAN VERIFY IDENTITY OF DELIVERY BOY		
BV:500	CP:3	

ACCEPTANCE CRITERIA:
   1. **Get identification request:** a notification sent in RMS when delivery boy arrives.
   2. **Verification Method:** Delivery Boy name, Photo and verification ID
   3. **Match Confirmation**
   4. **Record keeping**		

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User Story No: 13	Tasks:02	Priority: HIGHEST
AS A RESTAURANT OWNER I WANT TO ACCEPT VARIOUS PAYMENTS FROM CUSTOMERS SO THAT I CAN PROVIDE A SEAMLESS AND CONVENIENT PAYMENT EXPERIENCE,		
BV: 500	CP:4	

ACCEPTANCE CRITERIA:
   1. System should support multiple payment options
   2. Keep transaction records
   3. Generate receipt
   4. Business Rules: Should comply with government rules and regulations		

User Story No:14	Tasks:02	Priority: HIGHEST
AS A REGIONAL ADMIN I WANT TO LOGIN IN SCRUM FOODS' ADMIN PANEL SO THAT I CAN MANAGE SYSTEM SETTINGS, USER ACCOUNTS AND CONTENT		
BV:500	CP:3	

ACCEPTANCE CRITERIA:
   1. Login Page
   2. Text boxes for email /mobile Number and password
   3. Click on Login button
   4. system verifies the credentials and, if valid, redirects the admin to the dashboard. If invalid, an error message is displayed.		

User Story No:15	Tasks:02	Priority: HIGHEST
AS A REGIONAL ADMIN I WANT TO TRACK THE STATUS OF ALL ORDERS WITHIN MY REGION SO THAT I CAN ENSURE TIMELY DELIVERIES AND ADDRESS ANY ISSUES PROMPTLY		
BV:500	CP:3	

ACCEPTANCE CRITERIA:
   1. Order overview page
   2. Order status indicators Pending, delivered and out for deliver
   3. Filter and search functionality
   4. Detailed Order view
   5. Reports issue		

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User Story No:16	Tasks:02	Priority: HIGHEST
AS A REGIONAL ADMIN I WANT TO REFUND CUSTOMERS ORDERS SO THAT CUSTOMERS RECEIVED REFUNDS PROMPTLY		
BV:500	CP:3	

ACCEPTANCE CRITERIA:
  1. View refund requests
  2. Check Refund eligibility
  3. Refund amount calculation
  4. Approve / Denied buttons
  5. Send SMS or notification to customer		

User Story No:17	Tasks:02	Priority: HIGHEST
AS A REGIONAL ADMIN I WANT TO VIEW PAYMENT MADE TO REGIONAL RESTAURANTS SO THAT I CAN TRACK FINANCIAL TRANSACTION WITHIN MY REGION		
BV:500	CP:3	

ACCEPTANCE CRITERIA:
  1. View payment done to regional restaurants
  2. Click on view payment show payment list
  3. Each entry shows payment details include name transaction ID amount date and method
  4. Filter option to make easier
  5. After viewing payments, the admin should have the option to logout securely from the system.		

User Story No:18	Tasks:02	Priority: HIGHEST
AS AN ADMIN I WANT TO LOGIN IN SCRUM FOODS' ADMIN PANEL SO THAT I CAN MANAGE SYSTEM SETTINGS, USER ACCOUNTS AND CONTENT		
BV:500	CP:3	

ACCEPTANCE CRITERIA:
  1. Login Page
  2. Text boxes for email /mobile Number and password
  3. Click on Login button
  4. system verifies the credentials and, if valid, redirects the admin to the dashboard. If invalid, an error message is displayed.		

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User Story No:19	Tasks:02		Priority: LOWEST
AS AN ADMIN I WANT TO MANAGE REGIONAL ADMINS SO THAT ENSURE STREAMLINE OPRATION IN DIFFERENT GEOGRAPHICAL AREAS			
BV:100		CP:2	

ACCEPTANCE CRITERIA:
   1. Navigate Regional admin management section
   2. See list and regional admin details
   3. Add or remove options for regional admins			

User Story No:20	Tasks:04		Priority: HIGHEST
AS A BUSINESS OWNER I WANT TO LOGIN IN SCRUM FOODS' ADMIN PANEL SO THAT I CAN MANAGE PAYMENTS TO RESTAURANTS AND DELIVERY BOYS AND GENERATE REPORTS			
BV:500		CP:3	

ACCEPTANCE CRITERIA:
   1. Login Page
   2. Text boxes for email /mobile Number and password
   3. Click on Login button
   4. system verifies the credentials and, if valid, redirects the admin to the dashboard. If invalid, an error message is displayed.			

User Story No:21	Tasks:04		Priority: HIGHEST
AS A BUSINESS OWNER I WANT TO MAKE PAYMENT TO RESTAURANTS AND DELIVERY BOYS SO THAT RESTAURANT OWNERS AND DELIVERY BOYS CAN GET PAYMENT ON TIME			
BV:500		CP:3	

ACCEPTANCE CRITERIA:
   1. Get restaurant payment updates, delivery personnel payment updates
   2. Resolve payment dispute and get feedback			

Scrums Food (Food delivery application)

Sprint 02:

User Story No:21	Tasks:04	Priority: HIGHEST
AS A CUSTOMER I WANT TO SEARCH AND VIEW RESTAURANTS SO THAT I CAN OPT WHERE TO ORDER		
BV:100	CP:3	
ACCEPTANCE CRITERIA: 1. Test box to input restaurants name 2. Search functionality 3. Filter and sort functionality 4. View restaurant details 5. Show message for no restaurant found		

User Story No:22	Tasks:04	Priority: HIGHEST
AS A CUSTOMER I WANT TO VIEW RESTAURANTS MENU SO THAT I CAN SELECT DISHES AND PLACE ORDER		
BV:100	CP:3	
ACCEPTANCE CRITERIA: 1. Display food categories 2. Show food lists, item details price 3. Show vegetarian non-vegetarian icons 4. Filter and sorting functionality		

User Story No:23	Tasks:03	Priority: HIGHEST
AS A CUSTOMER I WANT TO ORDER FOOD SO THAT I CAN GET MY FOOD DELIVER AT MY PLACE		
BV:100	CP:3	
ACCEPTANCE CRITERIA: 1. Add to cart functionality 2. Input quantity, view cart 3. Place order button		

Scrums Food (Food delivery application)

User Story No:24	Tasks:03	Priority: LOWEST
AS A CUSTOMER I WANT TO TRACK THE STATUS OF MY FOOD ORDER SO THAT I CAN ESTIMATE TIME TO GET FOOD DELIVERY		
BV:50	CP:3	
ACCEPTANCE CRITERIA: 1. Order Tracking Page 2. Estimated delivery time 3. Real time updates 4. Delivery partner location 5. Delivery Boy number 6. Customer supports		

User Story No:25	Tasks:03	Priority: LOWEST
AS A DELIVERY BOY I WANT TO VIEW DELIVERY REPORTS AND REVENUE GENERATED SO THAT I CAN TRACK MY PERFORMANCE AND EARNINGS		
BV:50	CP:3	
ACCEPTANCE CRITERIA: 1. Delivery generation reports (daily, weekly monthly and yearly) 2. Revenue calculation 3. Export in PDF or CSV format 4. Download button to save reports		

User Story No:26	Tasks:03	Priority: HIGHEST
AS A RESTAURANT OWNER I WANT TO VIEW REVENUE GENERATED THROUGH SCRUM FOOD DELIVERY APP SO THAT I CAN TRACK MY PERFORMANCE AND EARNINGS		
BV:50	CP:3	
ACCEPTANCE CRITERIA: 1. Delivery generation reports (daily, weekly monthly and yearly) 2. Revenue calculation 3. Export in PDF or CSV format 4. Download button to save reports		

Scrums Food (Food delivery application)

User Story No:27	Tasks:03	Priority: LOWEST
AS A REGIONAL ADMIN I WANT TO VIEW REVENUE GENRATED IN MY REGION SO THAT I CAN MONITOR THE FINANCIAL PERFORMANCE AND MAKE INFORMED DECISIONS		
BV:100	CP:3	

ACCEPTANCE CRITERIA:
  1. Display revenue
  2. Display date range, categories
  3. Graphical representation		

User Story No:28	Tasks:03	Priority: LOWEST
AS AN ADMIN OF THE ONLINE FOOD DELIVERY SYSTEM, I WANT TO RESOLVE CUSTOMER ISSUES AND LOG OUT OF THE SYSTEM, SO THAT I CAN ENSURE CUSTOMER SATISFACTION AND MAINTAIN SYSTEM SECURITY.		
BV:100	CP:2	

ACCEPTANCE CRITERIA:
  1. Display issues resolution
  2. Notification
  3. Logout button to exist app		

Scrums Food (Food delivery application)

Sprint 03:

User Story No:29	Tasks:03	Priority: HIGHEST
AS CUSTOMER I WANT CANCEL ORDER SO THAT I CAN STOP MY ORDER		
BV:100	CP:3	
ACCEPTANCE CRITERIA: 1. Display cancel button		

User Story No:30	Tasks:03	Priority: LOWEST
AS A DELIVEY BOY I WANT TO PICK UP ORDER FROM RESTAURANT SO THAT CUSTOMER CAN GET PARCEL IN GOOD CONDITON AND ON TIME		
BV:100	CP:3	

ACCEPTANCE CRITERIA:
   1. Should get order notification
   2. Order pickup button
   3. Fetch delivery details
   4. Order delivery status
   5. Report in case any issue		

User Story No:31	Tasks:03	Priority: HIGHEST
AS A DELIVEY BOY I WANT TO UPDATE STATUS SO THAT CUSTOMER NOTIFY ON TIME		
BV:100	CP:4	

ACCEPTANCE CRITERIA:
   1. Should get order notification
   2. Order delivery status
   3. Report in case any issue		

Scrums Food (Food delivery application)

User Story No:32	Tasks:03	Priority: HIGHEST
AS A DELIVEY BOY I WANT TO RAISE ISSUES SO THAT I CAN RAISE ISSUES IF CUSTOMER IS NOT AVAILABLE OR INVALID ADDRESS		
BV:100	CP:4	

ACCEPTANCE CRITERIA:
   1. Report issues button
   2. Drop down list if issue is in available options
   3. Text box to write other issue
   4. Submit issue button
   5. Track issues		

User Story No:33	Tasks:03	Priority: HIGHEST
AS A RESTAURANT OWNER I WANT TO RAISE ISSUES SO THAT I CAN GET SUPPORT AND RESOLVE PROBLEMS QUICKLY.		
BV:100	CP:4	

ACCEPTANCE CRITERIA:
   1. Report issues button
   2. Drop down list if issue is in available options
   3. Text box to write other issue
   4. Get Issue submission form
   5. Issue fields
   6. Submit issue
   7. Get confirmation email
   8. Track issues		

User Story No:34	Tasks:03	Priority: HIGHEST
AS A REGIONAL ADMIN I WANT TO RAISE ISSUES SO THAT I CAN GET SUPPORT AND RESOLVE PROBLEMS QUICKLY.		
BV:100	CP:4	

ACCEPTANCE CRITERIA:
   1. Report issues button
   2. Drop down list if issue is in available options
   3. Text box to write other issue
   4. Get Issue submission form
   5. Issue fields
   6. Submit issue
   7. Get confirmation email
   8. Track issues		

Scrums Food (Food delivery application)

User Story No:35	Tasks:03	Priority: HIGHEST
AS AN ADMIN I WANT TO RAISE ISSUES SO THAT I CAN GET SUPPORT AND RESOLVE PROBLEMS QUICKLY.		
BV:100	CP:4	
ACCEPTANCE CRITERIA: 1. Report issues button 2. Drop down list if issue is in available options 3. Text box to write other issue 4. Get Issue submission form 5. Issue fields 6. Submit issue 7. Get confirmation email 8. Track issues		

Scrums Food (Food delivery application)

Sprint 04:

User Story No:36	Tasks:03	Priority: HIGHEST
AS AN CUSTOMER I WANT TO WRITE FEEDBACK, RATINGS AND LOGOUT SO THAT I CAN GIVE HONEST OPONION.		
BV:100	CP:4	

ACCEPTANCE CRITERIA:
   1. Text box for writing comments and comment button
   2. 5-point star scale for rating
   3. LOGOUT BUTTON		

User Story No:37	Tasks:03	Priority: HIGHEST
AS AN DELIVER BOY I WANT TO VIEW FEEDBACK GIVEN BY CUSTOMERS SO THAT I CAN IMPROVE		
BV:100	CP:4	

ACCEPTANCE CRITERIA:
   1. View Feedback Functionality
   2. LOGOUT BUTTON		

User Story No:38	Tasks:03	Priority: HIGHEST
AS A RESTAURANT OWNER I WANT TO VIEW FEEDBACK SO THAT I CAN IMPROVE PROCESS AND QUALITY		
BV:100	CP:4	

ACCEPTANCE CRITERIA:
   1. View Feedback Functionality
   2. LOGOUT BUTTON		

Scrums Food (Food delivery application)

User Story No:39	Tasks:03	Priority: HIGHEST
AS A REGIONAL ADMIN I WANT TO VIEW CUSTOMERS FEEDBACK SO THAT I CAN TAKE NECESSARY MEASURES IN MY REGION		
BV:100	CP:4	

ACCEPTANCE CRITERIA:
   1. View Feedback Functionality
   2. Sort by ratings
   3. View comments
   4. Take actions on restaurant
   5. LOGOUT BUTTON		

User Story No:40	Tasks:03	Priority: HIGHEST
AS AN ADMIN I WANT TO VIEW CUSTOMERS FEEDBACK SO THAT I CAN TAKE NECESSARY MEASURES		
BV:100	CP:4	

ACCEPTANCE CRITERIA:
   1. View Feedback Functionality
   2. Sort by ratings
   3. View comments
   4. Take actions on restaurant
   5. LOGOUT BUTTON		

User Story No:41	Tasks:03	Priority: HIGHEST
AS AN ADMIN I WANT TO MAKE APPORVALS AND REJECTION ON RESTAURANT AND DELIVERY BOYS SO THAT I CAN TAKE NECESSARY MEASURES, MAINTAIN TRASNPERANCY		
BV:100	CP:4	

ACCEPTANCE CRITERIA:
   1. View restaurant details
   2. Take actions on restaurant
   3. Approval / reject button
   4. View Delivery boy details
   5. Take actions on Delivery boy
   6. Approval / reject button		

Scrums Food (Food delivery application)

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

Epic: an agile epic is a large body of work that will be delivered over multiple sprints supported by business case and strategically adds value, Epic is collection of similar user stories.

EPIC 1: LOGIN	AS A CUSTOMER I WANT TO LOGIN IN SCRUM FOODS SO THAT I VIEW AND SEARCH MENU AS A DELIVERY BOY I WANT TO LOGIN IN SCRUM FOODS SO THAT I DELIVER ORDERS AS A RESTAURANT OWNER I WANT TO LOGIN IN SCRUM FOODS SO THAT I CAN ACCEPT ORDERS, VERIFY DELIVERY BOYS ETC
EPIC 2: PAYMENT	AS A RESTAURANT OWNER I WANT TO ACCEPT VARIOUS PAYMENTS FROM CUSTOMERS SO THAT I CAN PROVIDE A SEAMLESS AND CONVENIENT PAYMENT EXPERIENCE, AS A REGIONAL ADMIN I WANT TO VIEW PAYMENT MADE TO REGIONAL RESTAURANTS SO THAT I CAN TRACK FINANCIAL TRANSACTION WITHIN MY REGION

Scrums Food (Food delivery application)

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

Aspects	Business value	Complexity Point
Definition	BV represents overall value that user story or features brings to organization	CP represent importance and urgency of user story or features from perspective of users Efforts required by developers to develop the feature by using technology. Efforts that include time taken to solve complexity and write a code.
Purpose	To prioritize work based on the value it delivers to the business.	To estimate the resources, time, and effort required for implementation
Stakeholders	Business stakeholders, Business sponsors and executives.	Development team, PM and tech team
Tools used	MOSCOW	Planning Poker

Question 5 –Explain about Sprint– 5 Marks

A sprint is a scrum based agile methodology concept similar to an iteration. Sprint is subset of product backlog. Sprint period 2 weeks to 4 weeks. scrum team size 1 PO 1 scrum master 7-8 scrum team members

Sprints are small iterations of developed software delivered to client.

A sprint is a time boxed to deliver specific set of user stories and produce working features within stipulated time. During sprint planning business customer and PO specifies user story priority development teams commits to scope of given sprint. During sprint we can remove user stories but cannot add new user stories in on going sprint.

Sprint ceremony consists

Sprint planning: One day time boxed meeting to craft spring goal and plan to achieve it.

Sprint daily standups: To review team progress and impediments.

Sprint review: BA and stakeholder participate to review work completed and get clear.

Sprint retrospective: to review product development process identify areas for continuous improvement, answers three questions what went well? what did not go well areas of improvements for future sprints?

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

The **product backlog** is a comprehensive list of all the features, enhancements, bug fixes, and other requirements needed for a product. It serves as the single source of truth for everything that is known to be needed in the product. Items in the product backlog are typically written as user stories and are prioritized by the product owner based on factors such as business value, risk, and dependencies.

The **sprint backlog** is a subset of the product backlog items selected for implementation in a specific sprint, along with a plan for delivering the product increment and achieving the sprint goal. The sprint backlog is created during the sprint planning meeting and is owned by the development team.

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

Definition: Impediments are any obstacles or issues that slow down or block the progress of a team, preventing them from achieving their objectives or completing their work as planned.

| Impediment Logs |
| --- |
| 1. Lack of clear requirements: ambiguous requirement creates chaos for development team to understand what need to build results miscommunication, delays and rework.
2. Limited access or resources caused to delays in sprints obstruct team progress. |

Question 8 – Explain Velocity of the Team – 1 Marks

Velocity refers to measure amount of work development team can complete during sprint calculated by development team criteria for calculation include story point estimation, tracking completed work, summing story points and Avg velocity.

Velocity of team = user story point / No. of working hours

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Question 9 – Draw Sprint Burn Charts and Product Burn Down Charts– 3 Marks
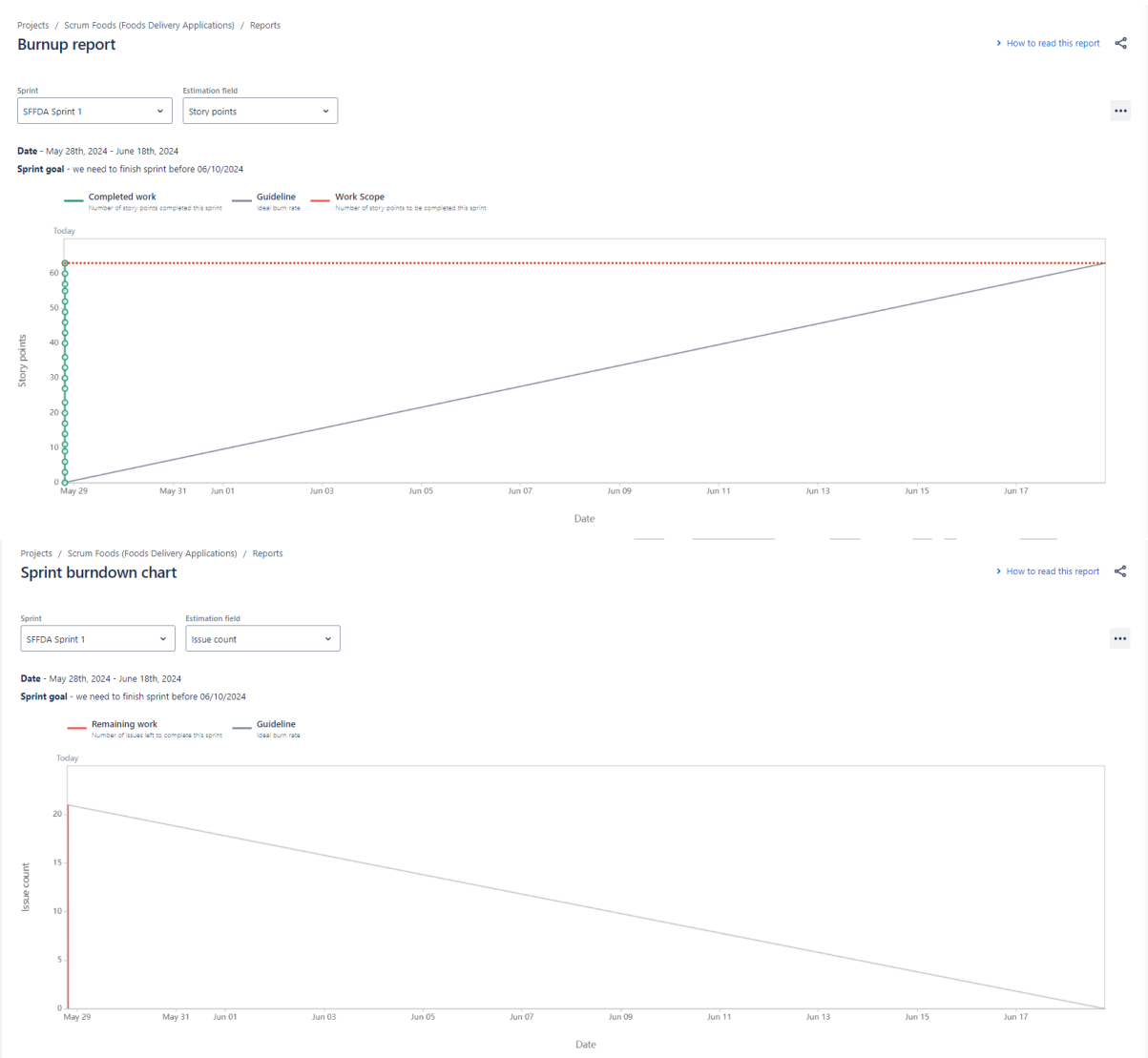
Burnup report

> How to read this report

Sprint
SFFDA Sprint 1

Estimation field
Story points

Date - May 28th, 2024 - June 18th, 2024
**Sprint goal** - we need to finish sprint before 06/10/2024

Completed work — Number of story points completed this sprint
Guideline — Ideal burn rate
Work Scope — Number of story points to be completed this sprint

Sprint burndown chart

> How to read this report

Sprint
SFFDA Sprint 1

Estimation field
Issue count

Date - May 28th, 2024 - June 18th, 2024
Sprint goal - we need to finish sprint before 06/10/2024

Remaining work — Number of issues left to complete this sprint
Guideline — Ideal burn rate

Sprint burndown chart

> How to read this report

Sprint
SFFDA Sprint 1

Estimation field
Story points

Date - May 28th, 2024 - June 18th, 2024
Sprint goal - we need to finish sprint before 06/10/2024

Remaining work — Number of story points left to complete this sprint
Guideline — Ideal burn rate
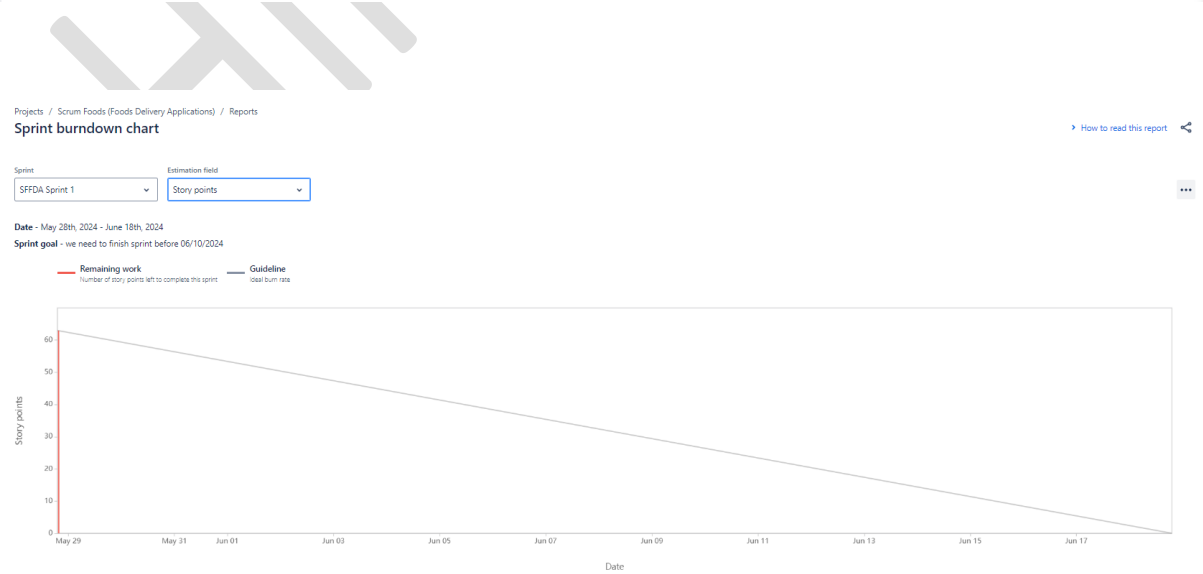
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Question 10 – Explain about Product Grooming – 2 Marks

Product grooming also called as backlog grooming or refinement is an imp activity in agile that involves reviewing, prioritizing, refining items in product backlog. PO, scrum master and scrum team write user stories.

PO is responsible to review prioritize and validate the user stories based on their urgency, risk, importance and business value. After that scrum team gives Complexity point on user stories or feature based on how many efforts are required to developed the feature.

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

Scrum Master: He will monitor performance to team within sprint all issues raised by team are addressed by scrum master. Normally BA plays the role of scrums master or any person in team

Product Owner: PO will decide what needs in product and responsible how the product has to be. he will regular interact with customer and BA. BA will play the role of PO or any person who worked for end users for long time or customer himself.

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

Sprint ceremony consists

Sprint planning: One day time boxed meeting to craft sprint goal and plan to achieve it. PO, scrum master scrum team BA and sometimes potential stakeholders are participant of sprint meeting. Reviewing backlog, selecting backlog items and setting sprint goal are key activities of this meeting.

daily scrum: To review team progress and impediments. Scrum master and scrum team are participant where team take 15 – 20 min discussion and answer question like what we will do today? what will going to do tomorrow? Any impediment challenges and constraints we are facing.

Sprint review: PO, Scrum master, scrum team, BA and stakeholder participate to review work completed and get clear. Team demonstrate overall work completed during sprints. gather feedback 1-2 hours meeting

All above meetings talks only about current sprint.

Sprint retrospective: to review product development process identify areas for continuous improvement, answers three questions

what went well?

what did not go well areas of improvements for future sprints?

This meeting is takes place when all sprints are completed.

Sprint retrospective meeting talks about future or forthcoming sprint 1-2 hours meeting duration.

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

Scrum team size 1 PO, 1 scrum master and scrum team size for small team 5 industry standard is 7 and big size team 10.

Sprint size between 2 weeks to 4 weeks

Question 14 – Explain DOR and DOD – 2 Marks

Definitions of Ready (DoR) and Definitions of Done (DoD) are critical for ensuring clarity and quality in the workflow.

DOR (Definition of ready): Ensures work items are ready for development. PO takes decision that user stories are good to go or move ahead to sprint backlog

It focuses on entry criteria of work

PO is responsible for DOR checklist

DOD (Definition of Done): Ensures work items are fully completed and releasable

When user stories meet user acceptance criteria, we deliver a software in small iteration

It focuses on exit criteria of work

Scrum master, developer and tester is responsible for DOD checklist.

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Question 15 – Explain Prioritization Techniques and MVP – 3 Marks

Moscow

Must: Mandatory

Should: high Priority

Could: preferred but not necessary

Would: can be suggested in future

Ranking: can rank the requirements on ordinal scale based on importance risk urgency

Kano analysis: based on stakeholders' satisfaction Basic factors, Performance factors and excitement factors

Requirements	MOSCOW	Ranking	Kano
Register	Must	1	basic
Make payment	Should	2	performance
Buy refreshment	could	3	excitement

Minimum Viable Product (MVP)

Definition: A Minimum Viable Product (MVP) is the most basic version of a product that includes only the essential features necessary to satisfy early customers and provide feedback for future development.

Scrums Food (Food delivery application)

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

Aspect	Business Analyst (BA)	Product Owner (PO)
Role Definition	Focuses on identifying business needs and determining solutions.	Manages the product backlog and represents the stakeholders.
Primary Responsibility	Requirements gathering, analysis, and documentation.	Defining and prioritizing product features and requirements.
Stakeholder Interaction	Engages with various stakeholders to understand and document their needs.	Acts as the main liaison between stakeholders and the development team.
Product Vision	Contributes to understanding business goals but doesn't usually define product vision.	Owns the product vision and ensures it aligns with stakeholder needs and business goals.
Backlog Management	May help in refining backlog items but doesn't own the backlog.	Responsible for creating, prioritizing, and maintaining the product backlog.
Decision-Making	Provides recommendations based on analysis; decision-making often lies with management or PO.	Has authority to make decisions on feature prioritization and acceptance criteria.
Focus Area	Detailed analysis and documentation of requirements and processes.	Broad focus on product strategy, market needs, and prioritization of work.
Skills Required	Strong analytical, documentation, and communication skills.	Strategic thinking, stakeholder management, and decision-making skills.

Scrums Food (Food delivery application)

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

Contact details:
Name
Designation
Email
Mobile no.

PROFILE:

Highly motivated Product Owner with 3 years of experience in managing product development processes. Proven ability to bridge the gap between technical teams and business stakeholders to deliver high-quality software products.

PROFESSIONAL SUMMARY

Designation | Company Name | Tenure

- Worked closely with development teams to remove impediments, clarify requirements, and ensure a clear understanding of user needs
- Participated in Agile ceremonies, including sprint planning, daily stand-ups, and retrospectives, to support the development process.
- Collaborated with stakeholders to define product vision and roadmap, ensuring alignment with business objectives
- Managed and prioritized the product backlog, translating high-level requirements into detailed user stories and acceptance criteria.
- Conducted sprint planning, backlog grooming, and review sessions to ensure timely delivery of high-quality product increments.

SKILLS

Agile & Scrum Methodologies

Backlog Management

User Story Creation

Stakeholder Communication

Market Research

Sprint Planning & Facilitation

Technical Skills: Jira, Confluence, Trello, SQL, Basic HTML/CSS