Capstone Project2 –Agile-Scrum

**Question 1** – write Agile Manifesto – 8 Marks

**Answer:**

There are 4 main values and 12 principles in agile Manifesto.

**The 4 main values are**

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 the plan

**The 12 principles are**

1. Satisfy the customer through early and continuous delivery of valuable software
2. Welcome changing requirements, even late in development. Agile processes harness change for the customer's competitive advantage
3. Deliver working software frequently, from a couple of weeks to a couple of months, with a preference 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, requirements, and designs emerge from self-organizing teams
12. At regular intervals, the team reflects on how to become more effective, then tunes and adjusts its behaviour accordingly

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

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

**Answer:**

User stories are the items which needs to be developed one by one for a project accomplishment. Each of the user stories will have acceptance criteria, Business Value and complexity points. And some of the user stories are as below.

**Syntax:**

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| User Story: ## | Task: ## | Priority: High/Low |
| AS A USER <ACTUAL USER>I WANT "LOGICAL REASONING"SO THAT "LOGICAL OUTPUT FOR THE REASONING" |
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| BV: in $ Value | CP: in nos |  |
| Acceptance Criteria:<The Output for the user that has been requested for along with its key features> |  |
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| User Story : 01 | Task : 01 | Priority: High |
| AS A CUSTOMERI WANT TO SIGN UP TO USE THE APPLICATION/WEBPAGESO THAT CUSTOMER CAN USE THE SERVICE PROVIDED |
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| BV : 500 | CP : 01 |  |
| Acceptance Criteria:Text box to enter the user credentials like Name, email, mobile, address and verification of each value entered and a confirmation popup upon successful registering to the application |  |
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| User Story : 02 | Task : 02 | Priority: High |
| AS A CUSTOMERI WANT TO SIGN IN TO USE THE APPLICATION/WEBPAGE FROM 2ND TIME ONWARDSSO THAT CUSTOMER CAN USE THE SERVICE PROVIDED WITHOUT RE REGISTRATION |
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| BV : 500 | CP : 02 |  |
| Acceptance Criteria:Text box to enter the user email and password for login and it should land to home screen after successful login.Popup if invalid credentials and new user trying to login without signup |  |
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| User Story : 03 | Task : 03 | Priority: High |
| AS A CUSTOMERI WANT TO SELECT THE ITEMS FROM THE ORDER LIST AND SEE THE PRODUCT DESCRIPTIONSO THAT I CAN PLACE THE ORDER TO CART |
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| BV : 300 | CP : 6 |  |
| Acceptance Criteria:search box for specific item search or lists all the items below for the customer to review along with the pictures. Click on about for item description, + button to add the item in the cart |  |
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| User Story : 04 | Task : 04 | Priority: High |
| AS A CUSTOMERI WANT TO SELECT THE NUMBER OF ITEMS OF A SAME PRODUCT AS WELL AS DECREASESO THAT I CAN BUY THE NUMBER OF PRODUCT I NEED |
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| BV : 100 | CP : 10 |  |
| Acceptance Criteria:a + and - button. No. of item count display |  |
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| User Story : 05 | Task : 05 | Priority: Medium |
| AS A CUSTOMERI WANT TO PLACE THE ORDER BY VIEWING THE WHOLE ORDER SUMMARY AND GO TO PAYMENT PAGESO THAT I CAN VERIFY MY LISTS AND PLACE THE ORDER |
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| BV : 200 | CP : 4 |  |
| Acceptance Criteria:summary of order in tabular form, count of each products selected, price of the products (single as well as multiple) click button for placing order |  |
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| User Story : 06 | Task : 06 | Priority: Medium |
| AS A CUSTOMERI WANT TO CHOOSE THE PAYMENT OPTION LIKE COD, NETBANKING, UPI, CCSO THAT I CAN DECIDE THE PAYMENT FOR THE ORDER |
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| BV : 600 | CP : 10 |  |
| Acceptance Criteria:A radio button, text boxes to enter card details, Payment gateway, order place button |  |
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| User Story : 07 | Task : 07 | Priority: Low |
| AS A CUSTOMERI WANT TO TRACK THE ORDERSO THAT I CAN SEE WHERE IT IS |
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| BV : 10 | CP : 1 |  |
| Acceptance Criteria:Order ID, Delivery agent GPS track, Order status |  |
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| User Story : 08 | Task : 08 | Priority: Low |
| AS A CUSTOMERI WANT TO KNOW RESTAURANT ADDRESS AND CONTACT NUMBERSO THAT I CAN KNOW THE RESTAURANT OR CALL WHEN REQUIRED |
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| BV : 10 | CP : 1 |  |
| Acceptance Criteria:Order summary page, restaurant address, mobile number and text box to update any message on your order and submit button |  |
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| User Story : 09 | Task : 09 | Priority: Low |
| AS A CUSTOMERI WANT TO RATE THE ORDER EXPERIENCESO THAT I CAN EXPRESS MY FEEDBACK |
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| BV : 5 | CP : 1 |  |
| Acceptance Criteria:rating button (5 Star) next to each order item after the delivery of food. Auto submission on click, edit rating, feedback text box, submit button |  |
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| User Story : 10 | Task : 10 | Priority: Low |
| AS A CUSTOMERI WANT TO SEE THE LISTS OF ORDERS I PLACEDSO THAT I CAN SEE HOW MUCH I AM SPENDING |
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| BV : 5 | CP : 1 |  |
| Acceptance Criteria:Order Summary, from date to date, list of orders from date range below and each order can be clicked in for detailed summary along with $ value, items ordered, delivery time from the order, reorder option |  |
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| User Story : 11 | Task : 11 | Priority: Low |
| AS A RESTAURANTI WANT TO SEE THE LISTS OF ORDERS CUSTOMER PLACEDSO THAT I CAN ASK THE CHEF TO PREPARE ACCORDINGLY. |
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| BV : 300 | CP : 8 |  |
| Acceptance Criteria:Order ID, Address of the customer, additional notes updated by customer, lists of item ordered, payment status. |  |
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| User Story : 12 | Task : 12 | Priority: Low |
| AS A RESTAURANT OWNERI WANT TO SEE THE LISTS OF ORDERS CUSTOMER PLACED AND THEIR $ VALUESO THAT I CAN CALCULATE MY REVENUE AND ITS COSTS |
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| BV : 300 | CP : 8 |  |
| Acceptance Criteria:Date from date and to date, Order ID, items ordered, date of each order, $ value of each order ID, Overall $ Value total at the end along with the counts of overall orders restaurant accepted and delivered |  |
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| User Story : 13 | Task : 13 | Priority: Low |
| AS A REGIONAL ADMIN MANAGERI WANT TO SEE THE LISTS OF ORDERS THAT ARE ONGOINGSO THAT I CAN ENSURE SMOOTH TRANSITION ON ORDER DELIVERY |
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| BV : 300 | CP : 8 |  |
| Acceptance Criteria:Live status with order status at each stage (order placed, Order in progress, delivery agent at restaurant, order pickup and order delivery), Order ID, nearest additional delivery agent presence in case of emergency. Delivery agent contact number, name. Restaurant contact number and name. Customer contact number and name. |  |
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| User Story : 14 | Task : 14 | Priority: Low |
| AS A DELIVERY AGENTI WANT TO SEE AND KNOW THE RESTAURANT LOCATIONSO THAT I CAN REACH RESTAURANT AND PICK UP THE ORDER FOR DELIVERY |
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| BV : 300 | CP : 8 |  |
| Acceptance Criteria:restaurant address, contact number, pinned google location along with Order ID for pick up |  |
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| User Story : 15 | Task : 15 | Priority: High |
| AS A DELIVERY AGENTI WANT TO SEE AND KNOW THE DELIVERY LOCATIONSO THAT I CAN REACH CUSTOMER LOCATION TO DELIVER THE ORDER ON TIME |
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| BV : 300 | CP : 8 |  |
| Acceptance Criteria:Customer address, Contact number, pinned google location along with Order ID and order item details |  |
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| User Story : 16 | Task : 16 | Priority: High |
| AS A REGIONAL MANAGERI WANT TO SEE THE DELIVERY RATING OF AGENTSSO THAT I CAN ENHANCE THE DELIVERY EXPERIENCE |
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| BV : 100 | CP : 6 |  |
| Acceptance Criteria:from date to date, region wise search, agent wise search, rating provided by customer against each agent. Agent contacts details and number of order each agent delivered each day, week or a month |  |
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| User Story : 17 | Task : 17 | Priority: High |
| AS A ADMINI WANT TO SEE THE TOTAL REVENUE GENERATEDSO THAT I CAN SEE THE GROWTH OF THE SALES AND COMPANY |
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| BV : 1000 | CP : 1 |  |
| Acceptance Criteria:from date to date, region wise revenue, product wise revenue, city wise revenue, customer login wise revenue, overall revenue, veg revenue and non veg revenue. Export to excel option |  |
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| User Story : 18 | Task : 18 | Priority: High |
| AS A CUSTOMERI WANT TO DELETE THE ACCOUNTSO THAT I CAN UNINSTALL/NOT USE THE SERVICE ANYMORE |
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| BV : 50 | CP : 10 |  |
| Acceptance Criteria:user profile auth, delete account button, password confirmation while deleting, popup warning message that they cannot use the application upon deletion, skip and retain account button, confirmation on account deletion |  |
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| User Story : 19 | Task : 19 | Priority: High |
| AS A CUSTOMERI WANT TO RAISE A COMPLAINT ABOUT THE DELIVERY AGENTSO THAT I CAN REPORT ANY NON COMPLIANCE |
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| BV : 50 | CP : 10 |  |
| Acceptance Criteria:customer can go to recent order summary, check the recent order which was delivered, click on chat with customer support and proceed further with the compliant |  |
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| User Story : 20 | Task : 20 | Priority: High |
| AS A AUDIT TEAM MEMBERI WANT TO LISTS OF COMPLIANT RAISED BY CUSTOMERSO THAT I CAN REVIEW AND ENHANCE THE CUSTOMER EXPERIENCE |
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| BV : 600 | CP : 9 |  |
| Acceptance Criteria:from date to date, lists of compliant, type of compliance, region wise, area wise and agent wise |  |
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| User Story : 21 | Task : 21 | Priority: medium |
| AS A CUSTOMERI WANT TO CANCEL THE ORDERSO THAT I DON’T GET THE FOOD ORDERED |
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| BV : 400 | CP : 7 |  |
| Acceptance Criteria:Oder summary page, cancel order button, refund type, confirmation popup on cancellation |  |
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| User Story : 22 | Task : 22 | Priority: medium |
| AS A RESTAURANT OWNERI WANT TO KNOW IF CUSTOMERS CANCELLING ORDERSO THAT I DON’T PREPARE DELIVERY FOR THEM |
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| BV : 400 | CP : 7 |  |
| Acceptance Criteria:Once customer cancels order, notification to restaurant owner upon order cancellation. Restaurant to accept the cancellation by accept button, order will be removed from pending orders |  |
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| User Story : 23 | Task : 23 | Priority: medium |
| AS A CUSTOMERI WANT TO CHOOSE REFUND TYPESO THAT I GET THE MONEY BACK WHEREVER NEEDED |
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| BV : 300 | CP : 1 |  |
| Acceptance Criteria:Order cancelation confirmation screen, refund option to select from radio type either to the initial payment method or wallet. Upon choosing popup as confirmation as customer chooses |  |
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| User Story : 24 | Task : 24 | Priority: medium |
| AS A CUSTOMERI WANT TO CHOOSE FOOD PREFERENCESO THAT I GET THE CORRECT MEAL AS WANTED LIKE VEG OR NON VEG |
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| BV : 300 | CP : 1 |  |
| Acceptance Criteria:At the home page of the screen, customer can choose pure veg or non veg as their meal preference with on off buttons. Where on will be pure veg and off will be includes non veg. |  |
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| User Story : 25 | Task : 25 | Priority: medium |
| AS A CUSTOMERI WANT TO BOOK A TABLESO THAT I CAN GO TO THE RESTAURANT AND HAVE DINNER BY PRE-BOOKING THE TABLE |
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| BV : 300 | CP : 1 |  |
| Acceptance Criteria:customer can choose restaurant name and then click on book a table option, then select the date from the date range table, select time from the dropdown and choose the number of people and submit. |  |
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| User Story : 26 | Task : 26 | Priority: medium |
| AS A RESTAURANT OWNERI WANT TO KNOW HOW MANY HAVE BOOKED THE TABLESO THAT I CAN MAKE THE TABLE RESERVED |
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| BV : 100 | CP : 7 |  |
| Acceptance Criteria:restaurant owner will get notification on table reservation along with all the details as customer entered. Restaurant should accept the table booking and make the reservation approve and available. |  |
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| User Story : 27 | Task : 27 | Priority: medium |
| AS A CUSTOMERI WANT TO ORDER FOOD ON TRAINSO THAT I CAN GET HOT FOOD TO MY SEAT |
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| BV : 100 | CP : 7 |  |
| Acceptance Criteria:Customer will enter PNR number, and select the upcoming station where he/she needs the food to be delivered. Choose nearby hotel from that railway station and place order as usual. |  |
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| User Story : 28 | Task : 28 | Priority: medium |
| AS ACUSTOMERI WANT TO VIEW THE PRICESO THAT I CAN ORDER THE FOOD |
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| BV : 100 | CP : 7 |  |
| Acceptance Criteria:Display price in the list of menu items |  |
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| User Story : 29 | Task : 29 | Priority: medium |
| AS A CUSTOMERI WANT TO ADD THE ADDRESSSO THAT I CAN GET THE ORDER TO MY ADDRESS |
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| BV : 500 | CP : 9 |  |
| Acceptance Criteria :Text Box to enter.Business Rules: Within the radius of 5 km |  |
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| User Story : 30 | Task : 30 | Priority: medium |
| AS A CUSTOMERI WANT TO VIEW THE CONTACT NUMBER OF DELIVERY BOYSO THAT I CAN CONTACT DELIVERY BOY FOR THE STATUS |
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| BV : 1000 | CP : 10 |  |
| Acceptance Criteria :1. Display delivery boy mobile number2. Display delivery boy name in tracking field3. Display delivery boy picture |  |
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| User Story : 31 | Task : 31 | Priority: medium |
| AS A REG ADMINI WANT TO MANAGE REGIONAL RESTAURANTS,SO THAT, I CAN TRACK THE PERFORMANCE OF REGIONAL RESTAURANTS |
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| BV : 200 | CP : 3 |  |
| Acceptance Criteria :click on performance of restaurantsselect from date to dateclick on generate report which includes restaurants ID, name,revenueclick on download report should be in excel |  |
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| User Story : 32 | Task : 32 | Priority: medium |
| AS A CUSTOMERI WANT TO CHAT WITH SUPPORT IN CASE OF HELPSO THAT MY CONCERNS ARE RESOLVED |
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| BV : 200 | CP : 3 |  |
| Acceptance Criteria :click on chat now logo and start chatting with support |  |
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| User Story : 33 | Task : 33 | Priority: medium |
| AS A CUSTOMERI WANT TO EXPORT THE LIST OF ALL ORDERS I MADESO THAT I CAN TRACK MY HEALTH STATUS |
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| BV : 400 | CP : 5 |  |
| Acceptance Criteria :customer can go to order summary from my profile page, select from date and to date, order lists down as summary. Click on export to excel. |  |
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| User Story : 34 | Task : 34 | Priority: Low |
| AS A ADMINI WANT TO KNOW WHO ORDER ONLY ONCE FOR A LONG TIMESO THAT I CAN GIVE SPECIAL DISCOUNTS FOR THEM |
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| BV : 100 | CP : 8 |  |
| Acceptance Criteria :amin can go to report page and select the date range, area, region, city and also choose ordered count like 1, 2 or 3 or more times and export to excel |  |
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| User Story : 35 | Task : 35 | Priority: Low |
| AS A CUSTOMERI WANT TO HAVE A QUICK ORDER DELIVERY IN 15 MINSO THAT I CAN TIME CONSTRAINT ISSUES |
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| BV : 100 | CP : 8 |  |
| Acceptance Criteria :customer to choose fast delivery option from the home page and enable it. All the quick nearby delivery restaurant will be listed from the customer can order as usual. |  |
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| User Story : 36 | Task : 36 | Priority: Low |
| AS A CUSTOMERI WANT TO HAVE ORDER FROM SAME RESTAURANT ALL TIMESO THAT I EAT WHAT I LIKE AND DON’T LOSE DIET |
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| BV : 200 | CP : 6 |  |
| Acceptance Criteria :while ordering food if customer tried 1 particular restaurant already, then they can click on favourites heart logo. This will always suggest at the top when customer search for food and followed by other restaurant |  |
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| User Story : 37 | Task : 37 | Priority: Low |
| AS A CUSTOMERI WANT TO HAVE REORDER FOOD OPTIONSO THAT I REORDER THE SAME FOOD ONCE AGAIN |
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| BV : 200 | CP : 6 |  |
| Acceptance Criteria :customer can go to order summary page and see the lists of previously delivered food, all the delivered food will have reorder option. Customer to click reorder and complete order as usual |  |
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| User Story : 38 | Task : 38 | Priority: Low |
| AS A CUSTOMERI WANT TO CHOOSE TOP RATED RESTAURANT TO ORDER FOODSO THAT I ORDER FROM FAMOUS RESTAURANT |
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| BV : 200 | CP : 6 |  |
| Acceptance Criteria :customer can search for nearby restaurants and options like top rating will be available at the search page header, click that to get the most and top rated restaurant in the search lists |  |
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| User Story : 39 | Task : 39 | Priority: Low |
| AS A CUSTOMERI WANT TO CHOOSE CUISINE TYPESO THAT I ORDER THAT CUISINE WHAT I WANT TO EAT |
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| BV : 200 | CP : 6 |  |
| Acceptance Criteria :customer can search for nearby restaurants and options like cuisine type will be available at the search page header, click that to get the most related restaurant in the search lists |  |
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| User Story : 40 | Task : 40 | Priority: Low |
| AS A CUSTOMERI WANT TO SCHEDULE A FOOD DELIVERY IN ADVANCESO THAT I GET THE ORDER WHEN I WANTED TO EAT |
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| BV : 400 | CP : 5 |  |
| Acceptance Criteria :customer can search for nearby restaurants and options like schedule order will be available at the search page header, click that to get the most related restaurant in the search lists and choose the schedule date and time. |  |
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**Question 3**– What is epic? Write 2 epics – 5 Marks

**Answer:**

A group of related user stories merged into one as epic.

1st example : user can login to the portal search for a restaurant and select the food he needs to order and its quantity then place the order by paying it thru online.

2nd example : customer can click order summary pick the in progress order and call the restaurant with the available contact information for any specific additional requests and at the same time he can also dial delivery agent if customer needs to update the same he discussed with the restaurant

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

**Answer:**

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| **Business Values** | **Complexity Points** |
| How Important the features is from high Priority to Low | Effort required to build a feature using tech from high priority to low |
| These are estimated by Scrum Currency | These are estimated by Poker cards |
| scrum currency denominations are 1000s,500s,100s,50s,20s,10s | Poker values are ?,1,2,3,5,8,13,20,40,100 and big |
| Here Business stakeholder estimates the business value for each user story | Here system developers estimate the effort of each user stories |

**Question 5** –Explain about Sprint– 5 Marks

**Answer:**

A sprint is a methodology that is similar to an iteration that delivers a set of user stories with the working condition of the software. They are time bound and this will normally take 2 weeks for a sprint which may extend to 4 weeks depending on the situation. They build user story for the all the requirement and the client gives the priority thru BV to complete these user stories. We can remove a specific user story within a sprint depending upon the priority/time however, we cannot add user stories. This ensures the process towards the sprint objective.

We conduct different level of meetings for a sprint to ensure it goes smooth in process.

1. **Sprint planning meeting** – this happens at the start of the sprint about what are objectives are to be delivered in a particular sprint
2. **Daily scrum meeting** – this happens during the sprints with 3 questions like,
	1. What did we do today
	2. What do we do tomorrow
	3. Is there any stoppage of sprint due to any requirements
3. **Sprint review meeting** – this happens at the end of a sprint where the team will show the demo of the completed user stories and get this signed off
4. **Sprint retrospective meeting** – this also happens at the end of a sprint about 3 questions like,
	1. What went well in the sprint
	2. What did not go well in the sprint
	3. What are all the areas of improvement for the next sprint

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

**Answer:**

**Product Backlog:**

This are the list of all user stories which were created for a project to achieve its overall objective so that the customer gets the product delivered super-fast and on time.

**Sprint Backlog:**

When a lists of product backlog goes in a sprint it has its own time bound to complete a whole sprint in a couple of weeks. The lists of PBI’s in a sprint become sprint backlog. At the end of the sprint, this log has to be completed.

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

**Answer:**

Impediments log is basically a speed breaker to a scrum process flow. If there is any slowdown in the sprint due to any technical reasons, clarification on any requirement or user stories, software requirement that would hinder the sprint timelines.

Example:

1. There was a system downtime due to emergency break out for about 6 hours for all the associates working on the sprint
2. There was a software licence issue for 2 developers and 1 tester for 3 days

**Question 8** – Explain Velocity of the Team – 1 Marks

**Answer:**

Velocity are the number of complexity points covered in each sprint or a multiple sprint. These CP are driven by scrum developers. Each sprint will have its own CP counts which adds up to the overall project CP requirement. We can calculate the average velocity by adding up all the CP points that are fully completed in a sprint by the number of sprints completed. This will help us to understand the progress of the agile scrum.

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

**Answer:**

Sprint Burn Down Chart



Product Burn Down Chart



**Question 10** – Explain about Product Grooming – 2 Marks

**Answer:**

Product Grooming is simply a requirement gathering. BA’s will work with the client understand the requirement. They gather the requirement and then the requirement are listed as feature lists. These feature lists will have all the enhancements as the objective of the project.

With these feature lists, BA identifies epics and they drilled down to themes and then to user stories.

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

**Answer:**

**Scrum Master:**

They monitor the team performance and one who helps the scrum team member get what is required to develop a user story within a sprint. They will work with who ever they want to and get the things done to achieve the timelines without delay. Developers/BA plays this role mostly.

**Product Owner:**

They are responsible to take the ownership on how the product has to look like. They are also a person who regularly interacts with end user and BAs to understand their core requirements. Some times product owner can also be a BA or client himself.

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

**Answer:**

1. **Sprint planning meeting** – this happens at the start of the sprint about what are objectives are to be delivered in a particular sprint
2. **Daily scrum meeting** – this happens during the sprints with 3 questions like,
	1. What did we do today
	2. What do we do tomorrow
	3. Is there any stoppage of sprint due to any requirements
3. **Sprint review meeting** – this happens at the end of a sprint where the team will show the demo of the completed user stories and get this signed off
4. **Sprint retrospective meeting** – this also happens at the end of a sprint about 3 questions like,
	1. What went well in the sprint
	2. What did not go well in the sprint
	3. What are all the areas of improvement for the next sprint

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

**Answer:**

**Sprint Size –** they are time bound about when a sprint has to be started and completed with the working condition of the software. They are typically 2 weeks and may extend up to 4 weeks depending on the situation.

**Scrum Size** – they are the number of associates working for the sprint. A scrum size must have 7 – 8 member group which have BA, developer and testers.

**Question 14** – Explain DOR and DOD – 2 Marks

**Answer:**

**DOR – Definition of Ready** – this means that the team is ready to start the sprints. The scrum team/BA all have gone thru all the user story and have understood the requirement. CP points have been assigned and so the BV.

**DOD – Definition of Done** – this stage of the sprint has been successfully completed with all the criteria in the user stories along with the demo of how the actual product will work. This will be presented in sprint review meeting and get this sign off and release the software in incremental way.

**Question 15** – Explain Prioritization Techniques and MVP – 3 Marks

**Answer:**

**Prioritization technique:**

We use MoSCoW technique here which stands for must have, should have, could have and won’t have. Here,

Must have – mandatory or core requirement. This will help the project objective to achieve.

Should have – other important but not essential. These can give value added to the core requirements.

Could have – desirable but not important. These are like additional feature which or neither essential nor important but their presence could have good impact which will not impact any functions even in their absence.

Won’t have – which are least critical and could be released in last or next phase.

**MVP:**

Minimum Viable Product are basic functionality that is needed for the product to run with minimum resource for development. These are very important, early product release and can help us to get the product feedback in the early stage of the product for better enhancements.

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

**Answer:**

|  |  |
| --- | --- |
| **Business analyst** | **Product Owner** |
| Requirement Gathering discussing with the client | Responsible for outcome of requirement in working condition |
| Responsible for successful project | responsible for successful sprints/scrum |
| End to End POC for anything in the project | POC for any information that is required by the scrum team member |

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

**Answer:**

**Roles and Responsibilities:**

1. 3 years of experience in agile scrum as a product owner
2. Direct customer involvement on requirement and delivered the product as required with high customer satisfaction
3. Sprint planning strategist
4. Team manager taking the sole responsibility for any product related requirements within sprints
5. Managed almost all the product backlog within the respective sprints and released the working condition of a software with 98% accuracy.