SEP(CA1)

Academic semester: AY23/24 Semester 1

Module Name: Software Engineering Practice

Module class: DIT/2A/06

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Contents

1 User Story card and Confirmations

1.1 Fill in information for delivery details

As a	Member
I want	As a customer, I want to be able to fill in my information such as name, contact number and address, product code
So that	so that I can receive my product correctly

Confirmation
Acceptance Criteria - Member has to fill in Name which will be displayed to the user on the textbox when the user is inputting the name. - Member has to fill in Phone Number which will be displayed to the users when typing in the input fields. - Member has to fill in Item/product code which will be displayed to the users when typing in the input fields. - Member has to fill in address which will be displayed to the users when typing in the input fields.
Note - All the fields are mandatory.

1.2 Delivery Tab

As a	Member
I want	To be able to request for delivery after purchase by clicking on the delivery tab
So that	so that I can have delivery for my product

Confirmation
Acceptance Criteria - After purchase ,Member can click on delivery tab to proceed with the delivery process. User will see **cursor change to hover** for them to know that they can click the tab to proceed with delivery.
Note - Member is required to make purchase to access delivery tab. - Non Members cannot access delivery tab

1.3 Choose preferred date/time for delivery

As a	Member
I want	Pick the date and time of my delivery
So that	I can get my products on my preferred date

Confirmation
Acceptance Criteria

Acceptance Criteria
- Members are required to fill in preferred date and time for the delivery using a date picker , when user clicks on date and time , it **will be highlighted** and **displayed** to the user.

Note
- If the preferred date or time for delivery is unavailable, user will be prompted to choose a different date or time

1.4 Re-login for delivery tab

As a	Member
I want	As a customer, I want to re-login to my account after pressing the delivery tab
So that	I can be verified and continue my request for delivery

Confirmation

Acceptance Criteria
  -   User has to re-login using email and password
  -   User **will be able to see** what they are typing in login input fields.
  -   User will be authenticated
  -   User will be able to continue the request for delivery process

Note
  -   The email and password must be correct
  -   User needs to fill the mandatory fields

1.5 Add to Favorite

As a	Public user/Member
I want	Be able to add a product to my favourites list by right clicking anywhere on the page
So that	I can easily save a product that I like

Confirmation
Acceptance Criteria - User has to be on a product details page - User has to right click anywhere on the page for the menu to pop up, **menu will be shown to user upon right click as feed back** - User has to click on "Add to Favourite" in the pop up menu to be able to add the product to their favourites list. "Add to favourite" will have a **light hover greyscale before the user confirms as feedback display for user**
Note - If the product the user is trying to add is already in their favorites list, the item will not be added again to prevent duplication. - After an item is successfully added to the user's favorite list, prompt will show up at the top of the page indicating that it was successful

1.6 View all favorites

As a	Public user/Member
I want	Be able to view all my favourite products by right clicking anywhere on the page
So that	I can view all my favourited products

Confirmation
Acceptance Criteria - User has to right click anywhere on a page for the menu to pop up, menu will be shown to user upon right click as **feed back** - User has to click on "View Favorites" in the pop up menu to be able to view their favorites list, "View Favorites " will have a **light hover greyscale before the user confirms as feedback display for user**
Note - If favorites list is empty, message will display saying that there are no items in the list - Image, name, and "More Details" button for the product will be shown on the view favorites page

1.7 Remove from favourites

As a	Public user/Member
I want	Be able to remove a favourited product from my favourites by right clicking anywhere on the page.
So that	I can adjust my favourites list

Confirmation

Acceptance Criteria
- User has to be on the "View Favourites" - User has to click on "Remove from Favourites" to be able to remove the product from their favourites list. "Remove from Favourites" **WILL be highlighted upon hover before users clicks on it as feedback to user.**

Note
- User needs to already have the product favorited to remove it from favorited

1.8 Submit delivery details

As a	Member
I want	to confirm and submit my delivery details
So that	I can finalize my delivery details for my order

Confirmation

Acceptance Criteria
   - User has to be on the "delivery" tab
   - User will fill up the information
   - User can **see what they are typing** in the input fields
   - User has to **click on "Submit"**, "submit" will be **highlighted when hovered** upon to let users know they can click and submit

Note
   - If required information is not filled in, form will not be submitted
   - User must fill up mandatory fields

2 Product Backlog

Priority	As a…	I want to…	So that…	Effort
1.	scrum team	we need to do effort estimation to estimate the effort for each user story.		2h
2.	scrum team	we need to create the backlog based on the effort estimation chart so the we can determine the priority of product backlog items.		2h
3.	scrum team	we need to estimate the work time available for each of us to reach the estimated effort statistics.		0.5h
4.	scrum team	we need to do user stories and confirmation for the 3 functionalities.		1h
5.	scrum team	we need to create the use case diagram so that we can determine the key functionalities , boundary and scope in the system		2h
6.	scrum team	we need to create 3 use case specification to determine the expected flow , alternate and if any error flow for our use case specification for our 3 new functionalities		3h
7.	scrum team	we need to create the scrum board with the specific tasks for sprint 1 and sprint 2 so that we can determine the different we have to complete during the sprint		4h
8.	scrum team	we need to minute all daily scrum meeting so that we can stay on task during the sprint		1h
9.	scrum team	we have to plot our burndown chart of the		1h

|		actual effort vs the estimated effort at the end of the sprint so as to have a comparison		
10.	Customer	I want to be able to request for delivery after purchase by clicking on the delivery tab	so that I can have delivery for my product	4h
11.	Customer	I want to re-login to my account after pressing the delivery tab	so that I can be verified and continue my request for delivery	12h
12.	Customer	pick the date and time of my delivery	so that I can get my products on my preferred date.	10h
13.	Customer	I want to be able to fill in my information such as name, contact number product code and address	so that I can receive my product correctly.	6h
14.	Member	I want to confirm and submit my delivery details	so that I can finalize my delivery details for my order	2h
15.	Public user /Member	I want to be able to add to favourite a product by right clicking anywhere on the product details page	so that I can easily save a product I like.	12h
16.	Customer	I want to be able to view all my favourite products by right clicking anywhere on the page	so that I can view all my favourited products	16h
17.	Customer	I want to be able to remove a favorited product from my favorites by right clicking anywhere on the page	so that I can adjust my favourited list.	8h

3   Scrum Board

https://trello.com/b/oRrZTq3t/scrum-board
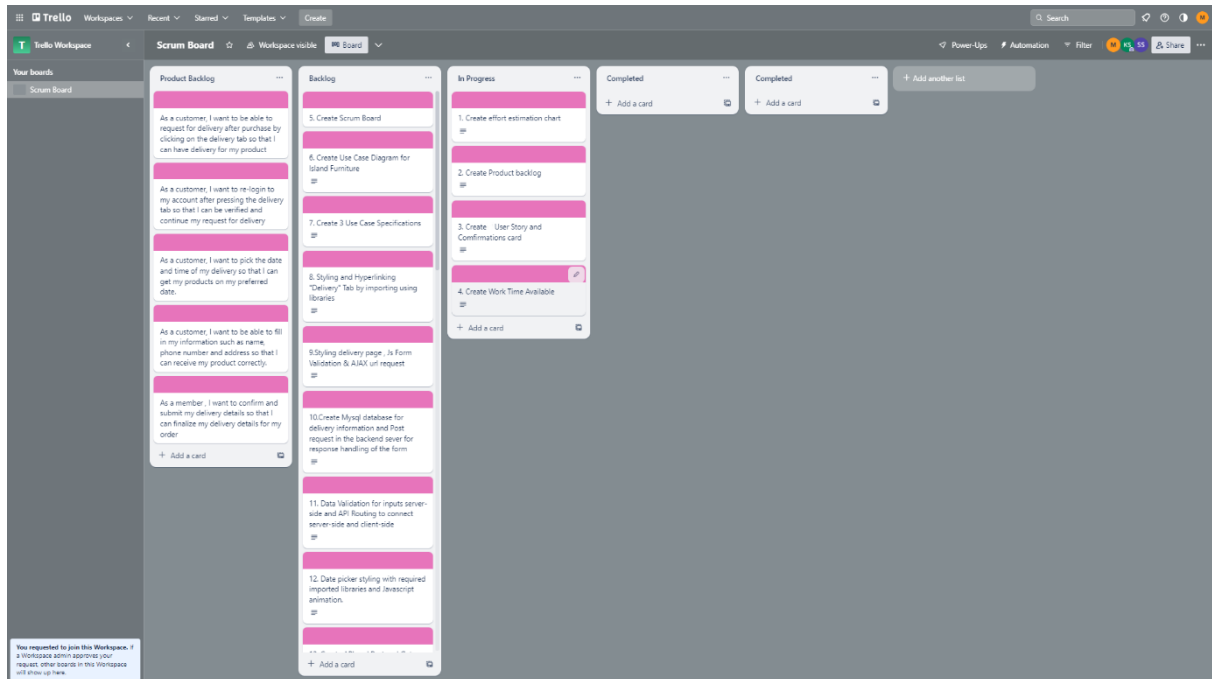*(cards are readable but if in need of clarity , press this link to access the card , description is also available upon opening card)*

3.1 Sprint 1
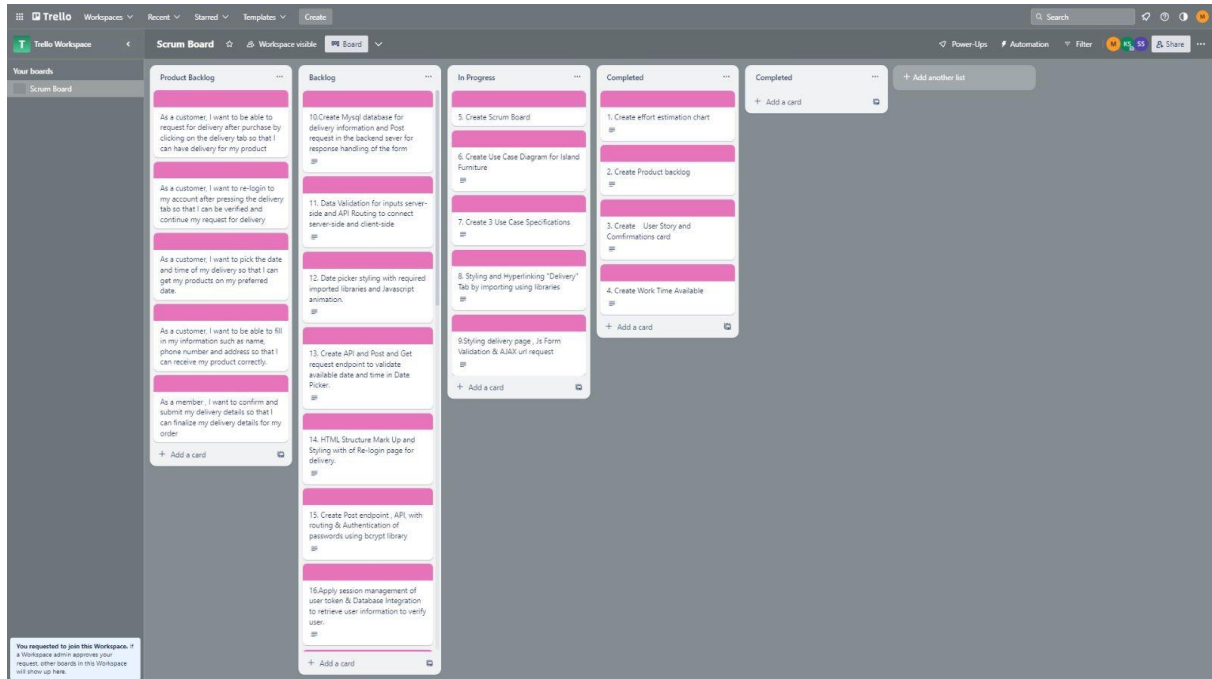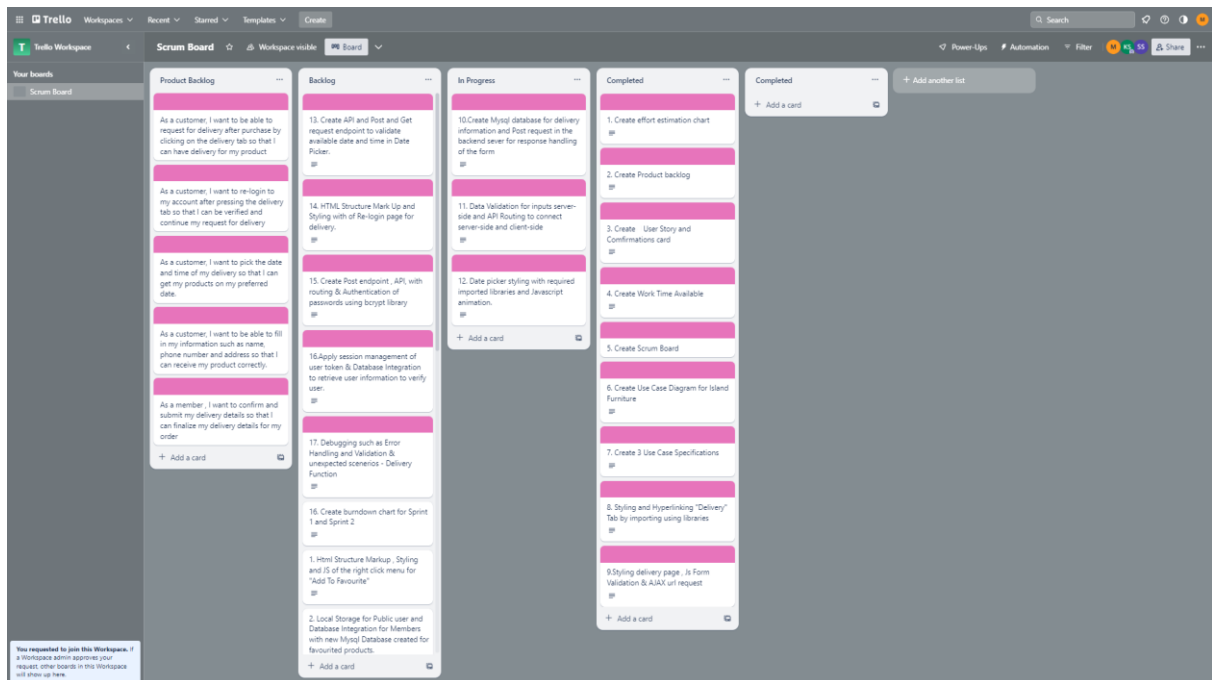
Day 1
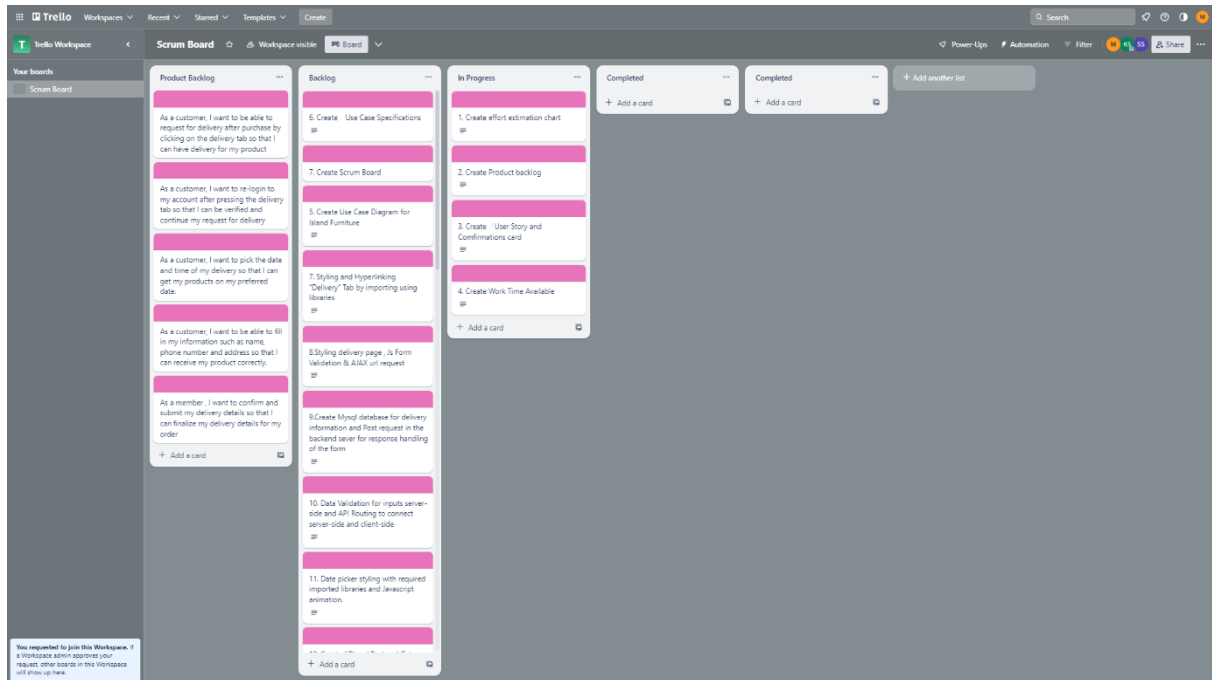
Day 2

School of Computing

Day 3

Day 4

Day 5
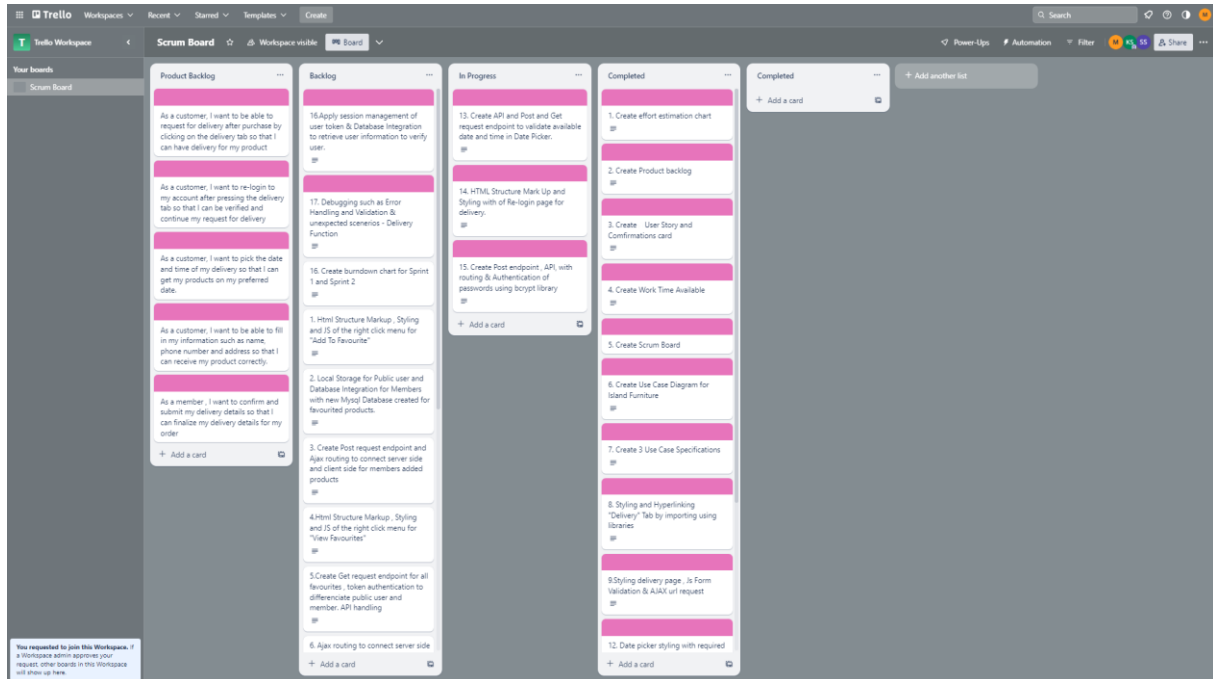
Scrum board after Sprint 1

School of Computing
3.2 Sprint 2

Day 1
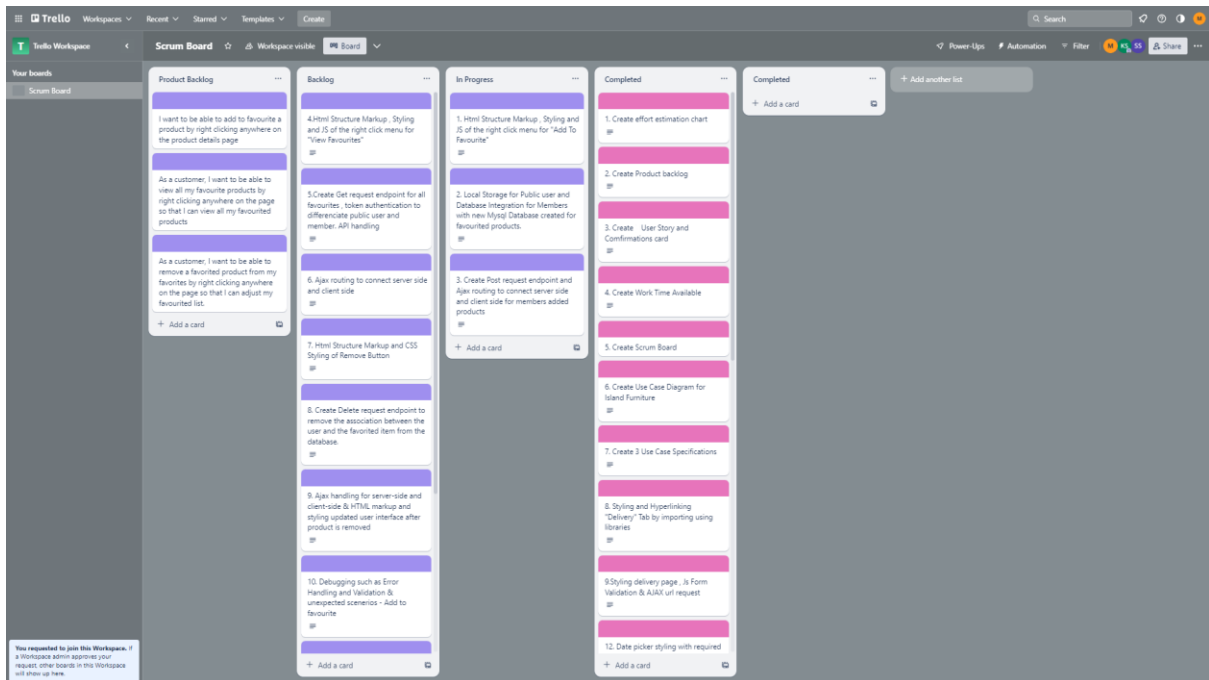
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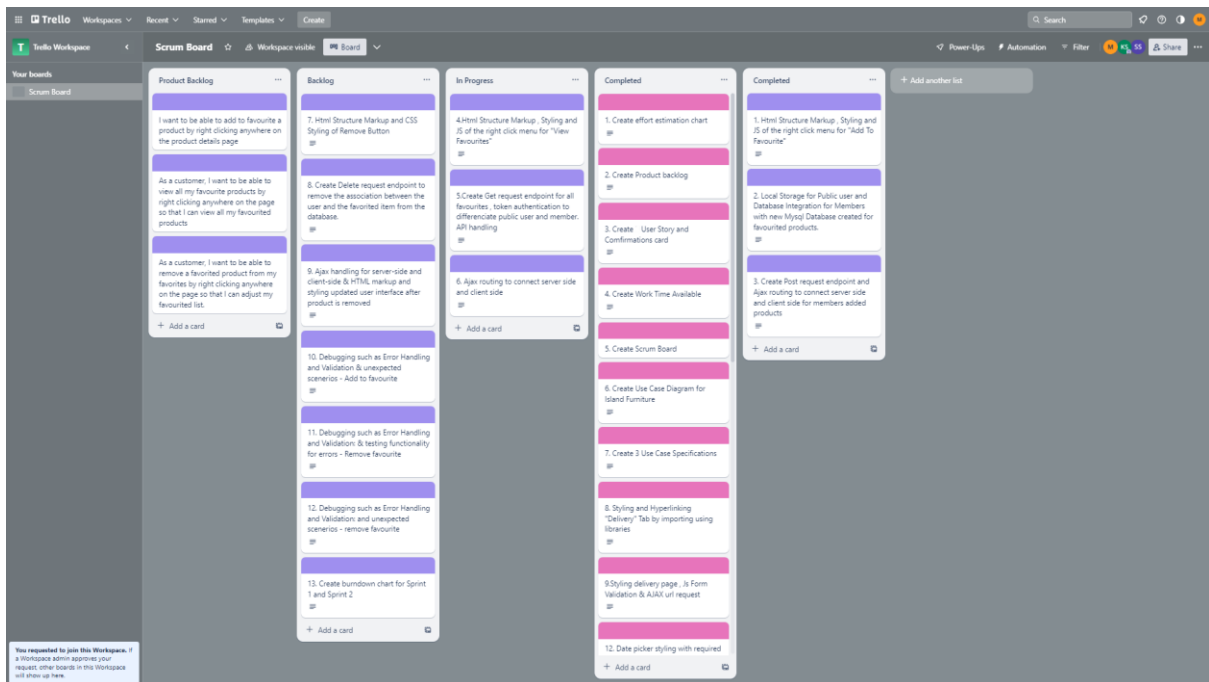
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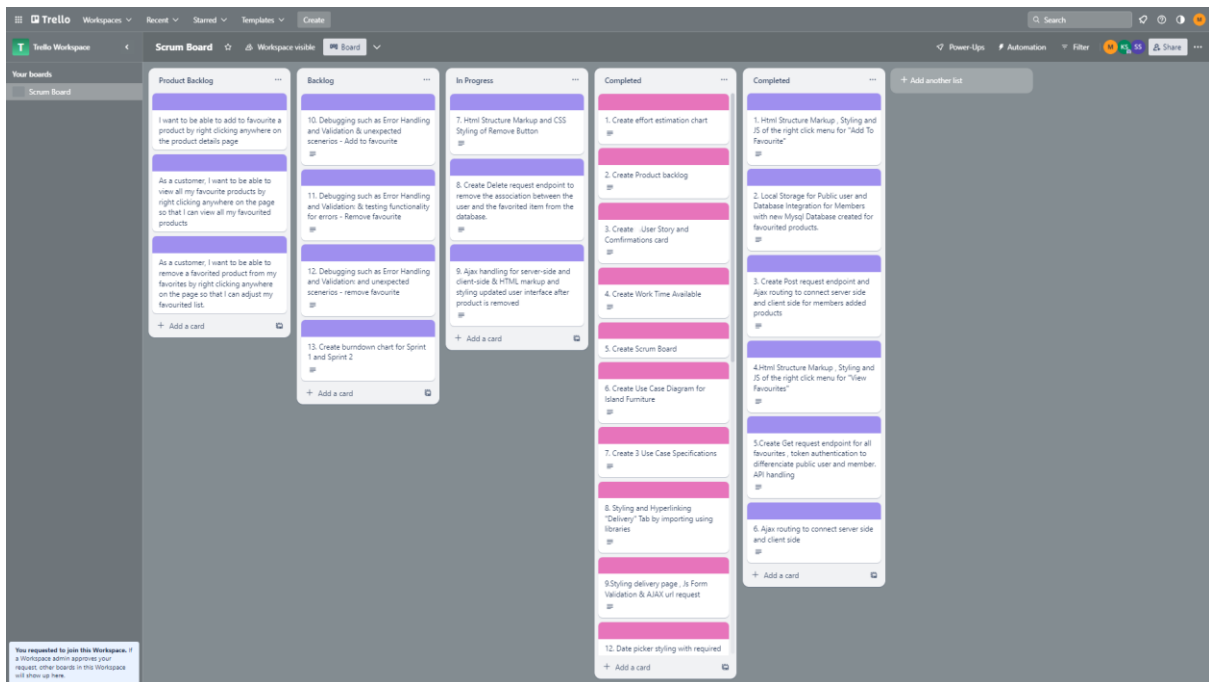
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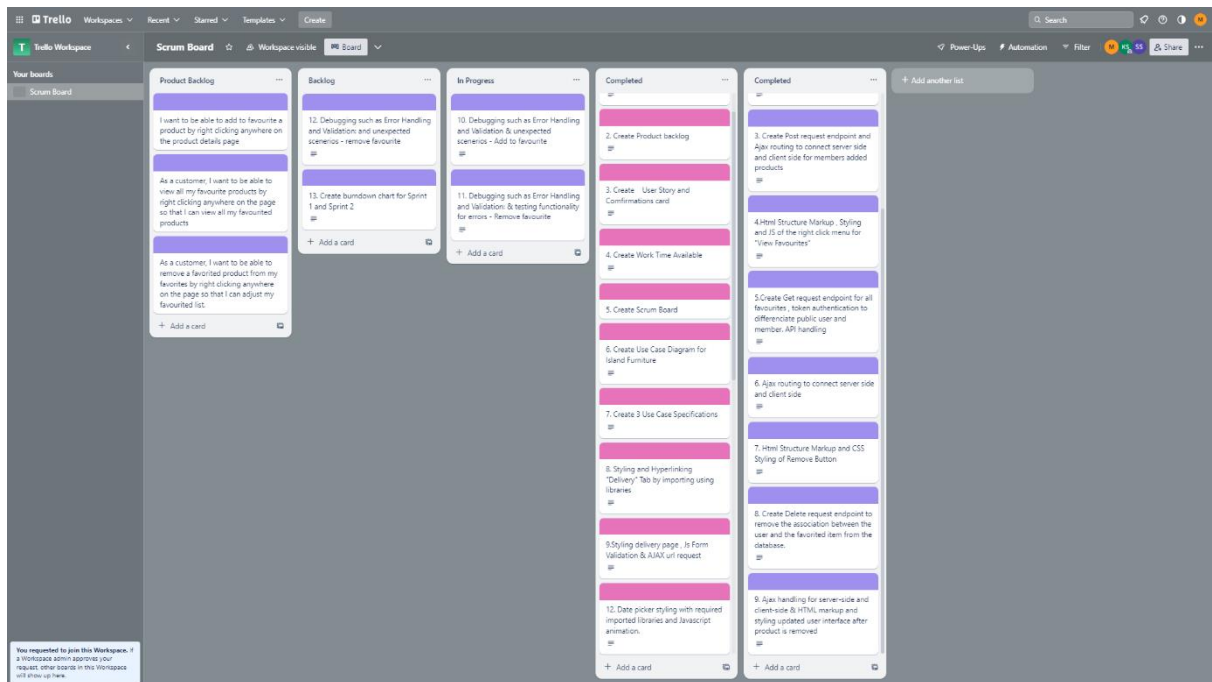
School of Computing
Day 5
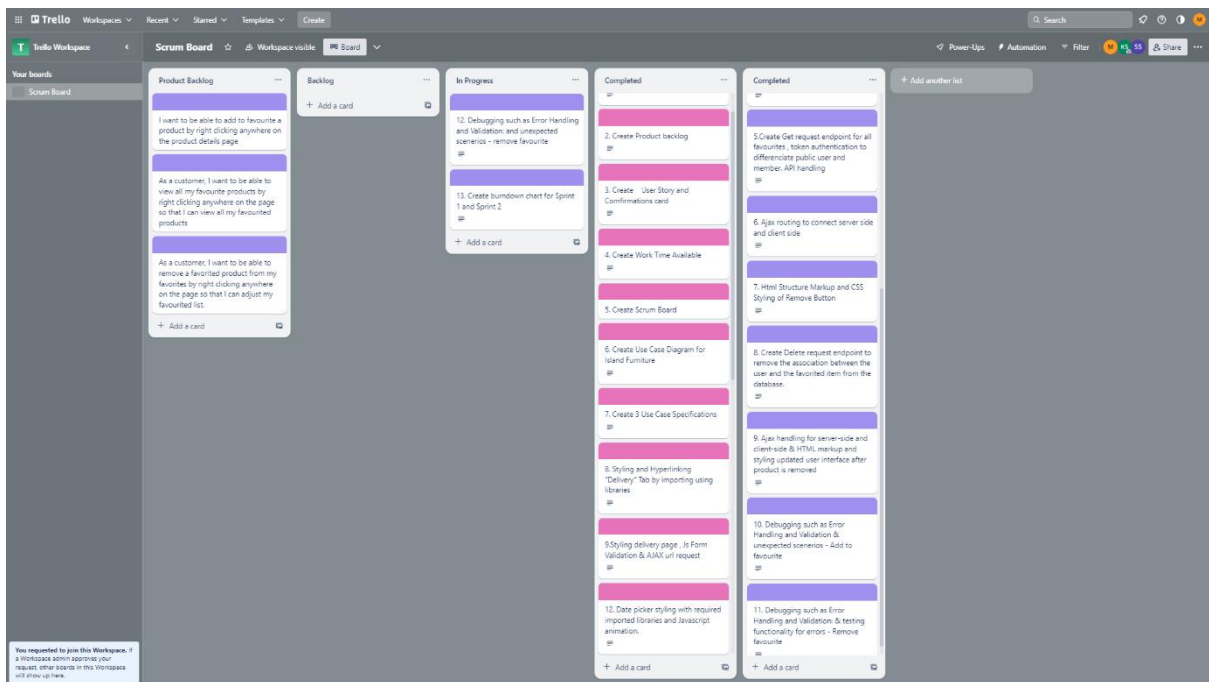
Scrum Board after Sprint 1 and 2
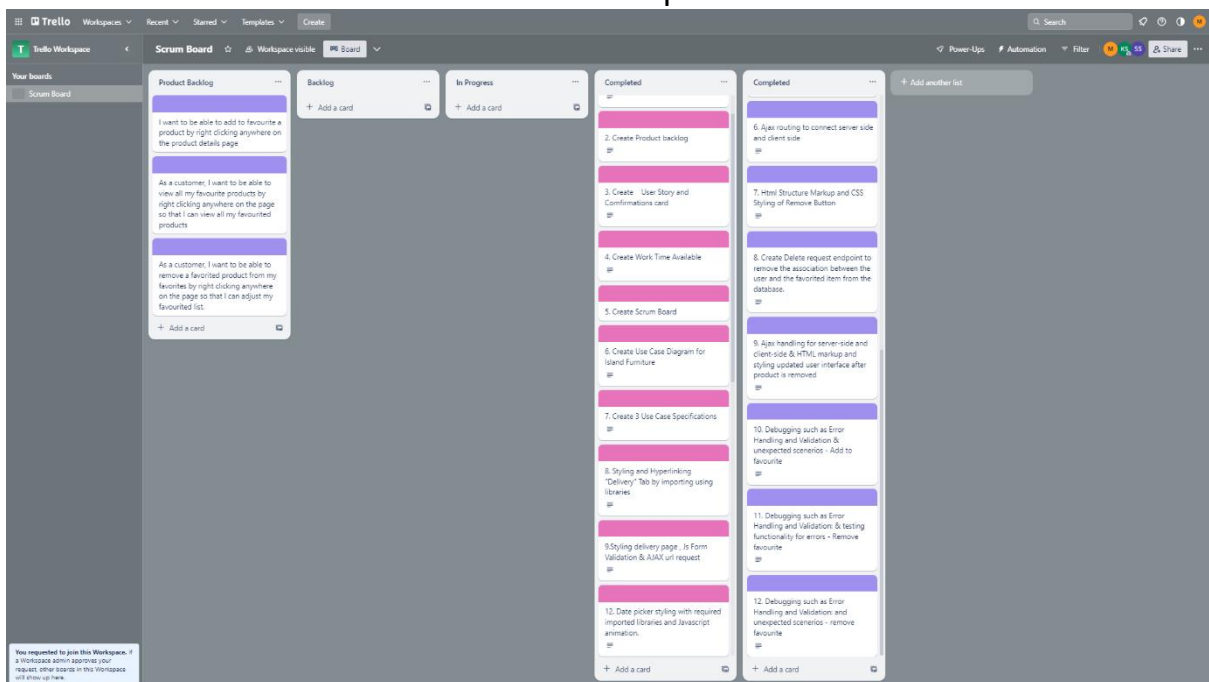
4 Burndown Chart

4.1 Sprint 1

4.1.1 Work Time Available

Name	Days in Sprint	Hours per Day (estimated)	Total Hours in the Sprint
Genevivi	5	3.3	16.5
Kanchana	5	3.3	16.5
Sakshi	5	3.3	16.5
		Total	49.5

4.1.2 Burndown Graph

SPRINT 1

Day	Estimated Effort	Actual Effort
0	49.5	49.5
1	39.6	41.5
2	29.7	33.5
3	19.8	20
4	9.9	8
5	0	0

Burndown Chart (Sprint 1)
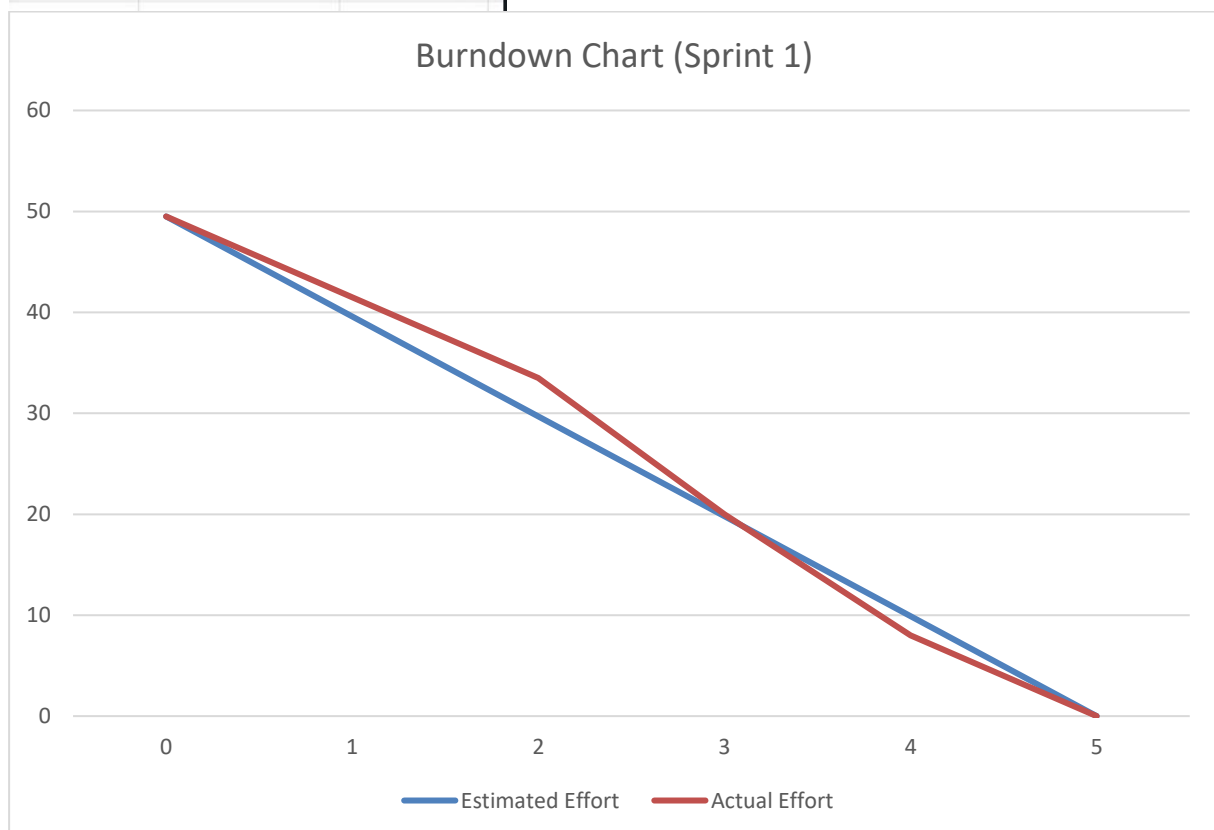
4.2 Sprint 2

4.2.1 Work Time Available

Name	Days in Sprint	Hours per Day	Total Hours in the Sprint
Genevivi	5	2.5	12.3
Kanchana	5	2.5	12.3
Sakshi	5	2.5	12.3
		Total	37

4.2.2 Burndown Graph

SPRINT 2		
Day	Estimated Eff	Actual Effort
0	37	37
1	29.5	28
2	22	18
3	14.5	11
4	7	5
5	0	0
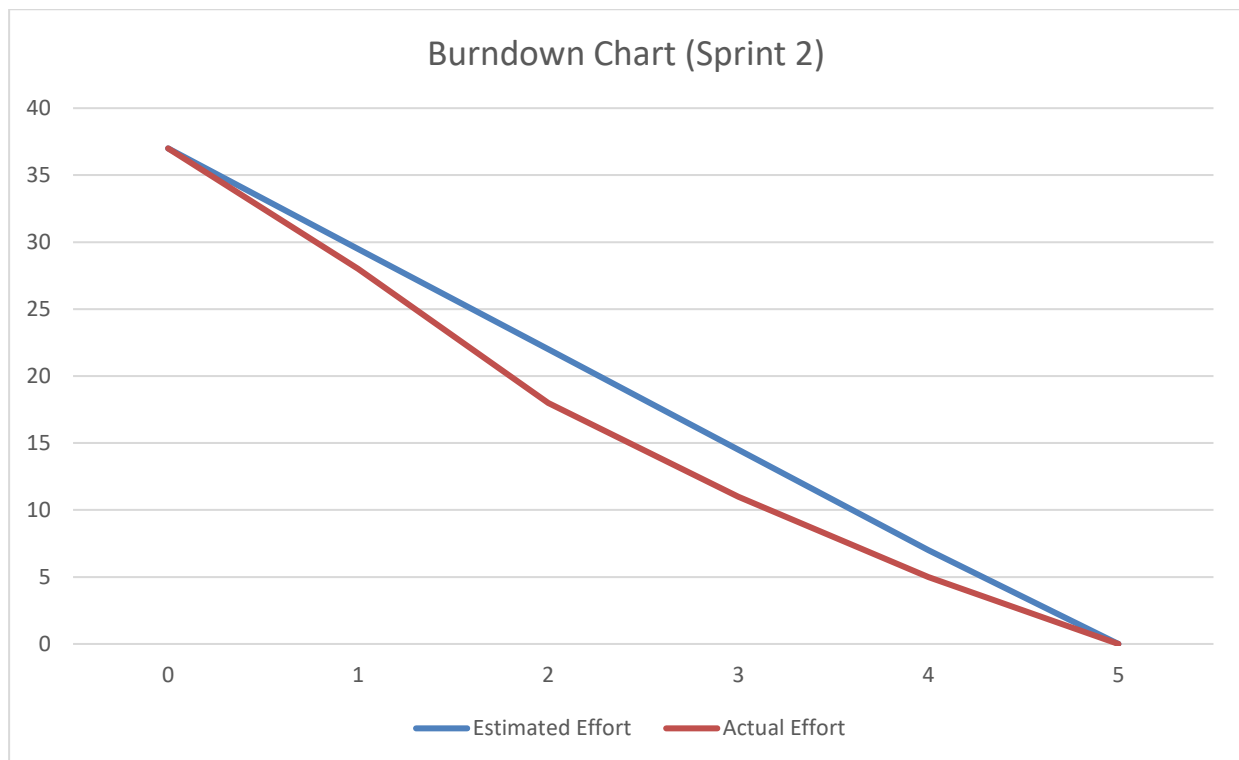
Burndown Chart (Sprint 2)

5 Effort Estimation

Priority	Items	Estimated Efforts (man hours)									Ave
		Round #1			Round #2			Round #3			Ave
		Member 1: Sakshi	Member 2: Kanchana	Member 3: Vivi	Member 1: Sakshi	Member 2: Kanchana	Member 3: Vivi	Member 1	Member 2	Member 3	
6	As a customer, I want to be able to add to favourite a product by right clicking anywhere on the product details page so that I can easily save a product I like.	Effort: 6h Reason: - need to create right click menu - can only be on product details page	Effort: 7h Reason: -create right click menu to add the items to favourite. -create a database table to store the favourited products.	Effort: 6h Reason: We need to create the right click menu and make it so "add to favourites" is only visible in the product	Effort: 6h Reason: - Sql database - Backend Routing	Effort: 6h Reason: -ajax function to connect to backend and send HTTP POST request -create backend route -create sql query	Effort: 5h Reason: Create database and code in local browser storage for member and non-member	Effort: Reason:	Effort: Reason:	Effort: Reason:	12h

				details page.								
7	As a customer, I want to be able to view all my favourite products by right clicking anywhere on the page so that I can view all my favourited products	Effort:8h Reason: Image of products , information of products , right click menu	Effort:6h Reason: Need to create HTTP GET request to connect to the backend.	Effort: 7h Reason: We have to do html JavaScript and CSS	Effort:10h Reason: - create SQL database Get request Front end html markup	Effort:8h Reason: Create database and link to frontend	Effort: 9h Reason: Need to get the details of products from database such as Image and other details, which requires sql database and ajax.	Effort: Reason:	Effort: Reason:	Effort: Reason:	16h
8	As a customer, I want to be able to remove a favourited product from my favourites by right clicking anywhere on the page so that I can adjust my favourited list.	Effort: 8h Reason: Need to make and style remove button - http delete request , need to	Effort:8h Reason: We have to get the details if the products from the main product	Effort: 8h Reason: Create API that for DELETE request for the product	Effort: Reason:	Effort: Reason:	Effort: Reason:	Effort: Reason:	Effort: Reason:	Effort: Reason:	8h

		remove user id associated with favourited product , update catalogue of view favourites sql	table in database	s to be removed from the database specific for favourite								
1	As a customer, I want to be able to request for delivery after purchase by clicking on the delivery tab so that I can have delivery for my product .	Effort:5 Reason: Hyperlink delivery tab,	Effort: 5 Reason: Creating	Effort: 4 Reason: Html css and hyperlink to delivery tab	Effort: Reason:	Effort: Reason:	Effort: Reason:	Effort: Reason:	Effort: Reason:	Effort: Reason:		4h
2	As a customer, I want to re-login to my account after pressing the delivery tab so that I can be verified and continue my request for delivery	Effort:5h Reason: Authentication(verify token), get token from middleware	Effort: 6h Reason: -need to create a new token -verify the bearer	Effort: 5h Reason: Authentication (verify token) Need to verify user	Effort: 6h Reason: authenticate password and email requirements	Effort: 6h Reason: -need to use token-based authentication – validate	Effort:5h Reason: - create new session token after login - add authentic	Effort: Reason:	Effort: Reason:	Effort: Reason:		12h

			-Store token in local storage for purpose of the reusing the token for accessing password	password using bcrypt. hash to check the password from database		the credentials such as hashed password -need to create lost password function for user to retrieve their password	ation using the new session token to the delivery tab				
4	As a customer, I want to be able to fill in my information such as name, contact number, address and product code so that I can receive my product correctly.	Effort:6 Reason: HTML css and javascript to create the form	Effort:6 Reason: Create backend route and javascript function to communicate with the database and front-end	Effort:5h Reason: HTML to create the form, css to style the form.	Effort: Reason:	Effort: Reason:	Effort: Reason:	Effort: Reason:	Effort: Reason:	Effort: Reason:	6h

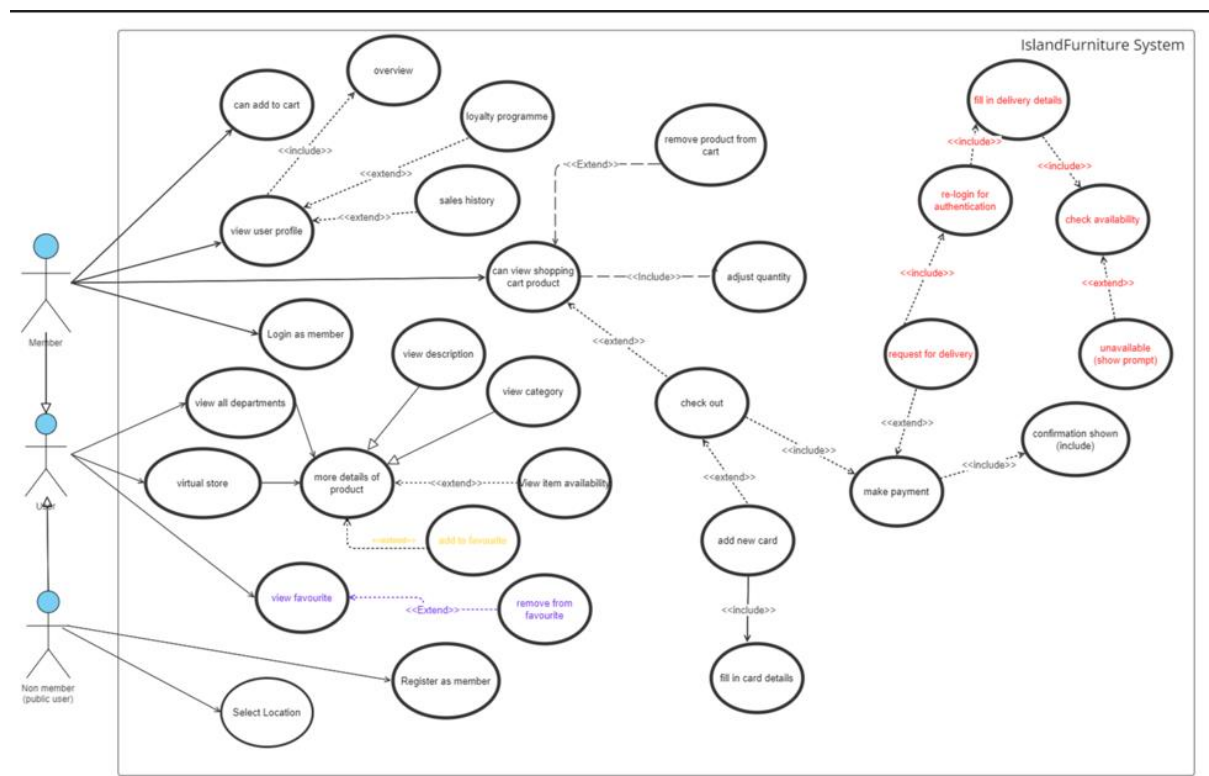|												
			javascript									
3	As a customer, I want to pick the date and time of my delivery so that I can get my products on my preferred date.	Effort:10h Reason: Css of calendar , prompt if the date and time not available	Effort:9h Reason: Html css javascript for user to pick date and time	Effort: 12h Reason: Javascript,html and css of calendar to allow user to pick date and time	Effort: Reason:	Effort: Reason:	Effort: Reason:	Effort: Reason:	Effort: Reason:	Effort: Reason:	10h
5	As a customer, I want to confirm and submit my delivery details so that can finalize my delivery details for my order	Effort:1h Reason: CSS Form validation	Effort:2h Reason: Form validation	Effort:2h Reason: Form validation	Effort: Reason:	Effort: Reason:	Effort: Reason:	Effort: Reason:	Effort: Reason:	Effort: Reason:	2h

6 Use Case Diagram

Purple – View Favorite

Red – Delivery

Yellow – Add to Favorite

Actors: Member , User , Non- Member

if picture is unclear , press the link and press "edit this design".

Link to use case diagram:

https://online.visual-paradigm.com/community/share/sep-ca1-use-case-diagram-1e80sivhq7

7 Use Case Specification

7.1 Add to Favorite

Name of Use Case	Add to favourite
Brief Description	We have implemented a feature that allows users to add their desired products to a favourites list. This feature enables them to conveniently save the products they like without the need to search the catalogue again.
Actor	Public User , Member
Expected Flow	1. Public user/Member **clicks on All Departments** navigation tab 2.The public user/member can view and navigate through the product categories on the dropdown menu in the navigation bar and **select the specific product category** they wish to view by clicking on their desired choice. 3. The public user/member will be able to *view all products* 4. The public user/member has the *option to click on "More Details"* for a specific product, which will provide them with additional information such as the description, category, and item availability. 5. To add a product to their favourites list, the user can simply *right-click anywhere on the page*, offering them the *option* to include the product in their favourites 6. The user successfully added a product to the favourites list
Alternate Flow	1. Public user/Member **clicks on Virtual Store** 2. Public user/Member **selects the specific product category** from the virtual store by clicking on it 3. The public user/member will be able to *view all products* 4. The public user/member has the **option to click on "More Details"** for a specific product, which will provide them with additional information such as the description, category, and item availability. 5. To add a product to their favourites list, the user can simply right-**click anywhere on the page**, offering them the option to include the product in their favourites 6. The product will be successfully added into the favourites list
Error Flow 1	1. Public user/Member **clicks on All Departments** navigation tab 2.The public user/member can view and navigate through the product categories on the dropdown menu in the navigation bar and **select the specific product category** they wish to view by clicking on their desired choice. 3. The public user/member will be able to *view all products* 4. The public user/member has the *option to click on "More Details"* for a specific product, which will provide them with additional information such as the description, category, and item availability.

	5. To add a product to their favourites list, the user can simply right-**click anywhere on the page**, offering them the option to include the product in their favourites 6. If the product has already been added by the user to the favourites list previously , the system **will not allow** the user to add the **same product** again. 7. The product will not be successfully added to the favourites list.
Error Flow 2	1. Public user/Member clicks on Virtual Store 2. Public user/Member **selects the specific product category** from the virtual store by clicking on it 3. The public user/member will be able to *view all products* 4. The public user/member has the **option to click on "More Details"** for a specific product, which will provide them with additional information such as the description, category, and item availability. 5. To add a product to their favourites list, the user can simply right-**click anywhere on the page**, offering them the option to include the product in their favourites 6. If the product has already been added by the user to the favourites list previously, the **system will not allow the user to add the same product again.**

7.2 View Favourites and Remove Favorite

Name of Use Case	View favourite
Brief Description	Feature for user to view the items added to add to favourite so that they can view their favourited product anytime.
Actor	Customer
Expected Flow	1. Public user/Member **clicks on All Departments** navigation tab 2.The public user/member can view and navigate through the product categories on the dropdown menu in the navigation bar and **select the specific product category** they wish to view by clicking on their desired choice. 3. The public user/member will be able to *view all products* 4. The public user/member has the *option to click on "More Details"* for a specific product, which will provide them with additional information such as the description, category, and item availability. 5. To view their favourites list, the user can simply right-**click anywhere on the page**, and select the option to view all their favourite products

Alternate Flow 1	1. Public user/Member **clicks on Virtual Store** 2. Public user/Member **selects the specific product category** from the virtual store by clicking on it 3. The public user/member will be able to *view all products* 4. The public user/member has the **option to click on "More Details"** for a specific product, which will provide them with additional information such as the description, category, and item availability. 5. To view their favourites list, the user can simply **right-click anywhere on the page**, and **select the option to view all their favourite products**
Alternate flow 2	1. Public user member **selects the location** in Location page. 2. User **enters** the **index page** 3. To view their **favourites list**, the user can **right-click anywhere** on the page, and select the option to view all their favourite products.
Alternate flow 3	1. Public User/ Member press "Login/Register" and enters the **login/register page**. 2. To view their favourites list, the user can **right-click anywhere** on the page, and select the option to view all their favourite products.
Alternate flow 4	1. Public User/ Member press "Login/Register" and enters the login/register page. 2. User enters their email and password to login 3. User enter the profile page after successful login 4. To view their favourites list, the user can **right-click anywhere** on the page, and select the option to view all their favourite products.
Alternate flow 5	1. Member login into the account. 2. Member clicks "shopping cart" and enters the page 3. To view their favourites list, the user can **right-click anywhere** on the page, and select the option to view all their favourite products.
Alternate Flow 6	After reaching view favourites , Customer **can opt to remove a favourite** from their favourites list in View Favourites . They can **click** on the **"remove favourite" button** on view favourites page
Error Flow	-

7.3 Delivery

Name of Use Case	Delivery
Brief Description	The delivery function on Island furniture fulfill orders by delivering products or services to customers. It involves the logistical process of transporting items from the point of origin, such as a warehouse or store, to the customer's specified location when a user requeets for delivery online
Actor	Member, Delivery Staff
Expected Flow	1. Customer logs in or registers as member 2. Member **clicks on "Shopping Cart"** navigation tab 3.Member view their **products** in their shopping cart 4. Member has the option to **increase or decrease the quanti**ty of product in shopping cart 5. Member **clicks on "Check Out"** to check out all the selected items in their cart to proceed with payment 6. Member is required to fill in their name contact , address and postal code after checking out. 7.Member has the option to add new card and save it as payment option or select previous cards to proceed with payment 8. Member **clicks on "Make Payment"** button to proceed with payment 10. Member will see confirmation of payment. Member has the **option to click on delivery tab** to make a *delivery request* 11. The member clicks on delivery tab and has to **log in** with their email and password to continue delivery request . 12. Upon successful login, Member needs to **fill up form** with the following attributes **name , phone number , item code and address.** 13. Member has to choose **available date and time** of delivery on the calendar 14. Member **successfully made the delivery request**
Alternate Flow	
Error Flow 1	1. Customer logs in or registers as member 2. Member **clicks on "Shopping Cart"** navigation tab 3.Member **view their products** in their shopping cart 4. Member has the option to **increase or decrease the quanti**ty of product in shopping cart 5. Member clicks on "**Check Out**" to check out all the selected items in their cart to proceed with payment 6. Member is required to fill in their name contact, address and postal code after checking out. 7.Member has the option to add new card and save it as payment option or select previous cards to proceed with payment

	8. Member **clicks on "Make Payment"** button to proceed with payment 10. Member will see confirmation of payment. Member has the **option to click on delivery tab** to make a *delivery request* 11. The member clicks on delivery tab and has to **log in** with their email and password to continue delivery request . 12. Member is not able to log in successfully to continue delivery request. 13. Member is not able to successfully make delivery request.
Error Flow 2	1. Customer logs in or registers as member 2. Member **clicks on "Shopping Cart"** navigation tab 3. Member view their products in their shopping cart 4. Member have the **option to increase quantity of product** in shopping cart 5. Member **clicks on "Check Out"** to check out all the selected items in their cart to proceed with payment 6. Member **is required to fill in their name contact , address and postal code** after checking out. 7.Member has the **option to add new card** and save it as payment option or **select previous cards to proceed with payment** 8. Member **clicks on "Make Payment"** button to proceed with payment 10. Member will see confirmation of payment. Member has the **option to click on delivery tab** to make a *delivery request* 11. The member clicks on delivery tab and has to **log in** with their email and password to continue delivery request . 12. Upon successful login, Member needs to **fill up form** with the following attributes **name , phone number , item code and address** . 13. Member **does not fill up** the all the required parts of the form 14. Member has to choose **available date and time of delivery on the calendar** 15. Member **is not able to successfully make delivery request**
Error Flow 3	1. Customer logs in or registers as member 2. Member **clicks on "Shopping Cart"** navigation tab 3.Member view their **products** in their shopping cart 4. Member has the option to **increase or decrease the quanti**ty of product in shopping cart 5. Member **clicks on "Check Out"** to check out all the selected items in their cart to proceed with payment 6. Member is required to fill in their name contact , address and postal code after checking out. 7.Member has the option to add new card and save it as payment option or select previous cards to proceed with payment 8. Member **clicks on "Make Payment"** button to proceed with payment 10. Member will see confirmation of payment. Member has the **option to click on delivery tab** to make a *delivery request* 11. Member has to log in to make delivery request

	12. Upon successful login, Member needs to **fill up form** with the following attributes **name , phone number , item code and address** . 13. Member will need to **choose available date and time** of delivery on the calendar 14. Member **chooses an unavailable date/time** for the delivery 15. **Prompt will show up** telling member that their selected date/time for the delivery is not available. 16. Member **is not able to successfully make delivery request** if they do not choose an available date and time

8 Minutes of Meetings

8.1 Daily Scrum Meeting 1

Present: Mr Chan Veng Seng (Product Owner)
                           Singh Sakshi (SCRUM Master)
                           Kanchana Saravanan (Team member)
                           Genevivi Mia Er (Team member)
Minuting Secretary: Singh Sakshi (SCRUM Master)

DAILY SCRUM MEETING (SPRINT 1)

Team member	Question	Tuesday	Thursday
Sakshi	What did you do yesterday?	**Yesterday** we created the effort estimation chart that helped us to understand the effort required for each task to evaluate the average hour needed for user stories. Secondly, We created the product backlog by listing down the priority items based on the effort estimation chart to arrange them from highest priority to the lowest. Thirdly, we created user stories and confirmation cards that captured the end users requirements and define the conditions for the user story to complete which aided in user needs and expectations. Lastly we created the work time available based on the average hourse needed per day and per week individually and together.	**On Tuesday,** I did the styling for the submit button of the form and developed a POST request endpoint in the back-end server to correspond the new mySQL database created for delivery information attributes **Yesterday** me and Kanchana did data validation in server side and checked for specific requirements or length resrictions in the input values received in the delivery form. We also set up the connection of the API endpoint to the database and the client side server.

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	What am I going to accomplish before the next meeting?	**As a group today**, we created the scrum board with all the tasks to do in the next 10 days for both SPRINTs. Secondly, we created the Use case diagram for IslandFurniture to identify the relationships between the actors and use cases. Thirdly, we did the use case specifications for 3 different functionalities gathering and documenting the expected flow, alternate flow and error flow **Today,** i did the styling for the submit button of the form and developed a POST request endpoint in the back-end server to correspond the new mySQL database created for delivery information attributes **The next day** me and Kanchana will do data validation in server side and check for specific requirements or length resrictions in the input values received in the delivery form. We will also set up the connection of the API endpoint to the database and the client side server.	**Today,** I will create API for data handling , POST and GET request which will check the user's selected date and time against the availability from the database. **Tomorrow** I will do session management of user token to maintain the users' authentication. I will store the session cookie in the response data. Secondly, I will also do the database integration to retrieve the users' information based on the provided email and password. This will verify the password that allow the user to login as member to continue the delivery process.
	Is there anything blocking you?	We did not come to agreement on the first try of effort estimation	I can only start the backend if my teammates successfully finish the front end.

Kanchana	What did you do yesterday?	**Yesterday** we created the effort estimation chart that helped us to understand the effort required for each task to evaluate the average hour needed for user stories. Secondly, We created the product backlog by listing down the priority items based on the effort estimation chart to arrange them from highest priority to the lowest. Thirdly, we created user stories and confirmation cards that captured the end users requirements and define the conditions for the user story to complete which aided in user needs and expectations. Lastly we created the work time available based on the average hours needed per day and per week individually and together.	**On Tuesday,** we created the scrum board as a group with all the tasks to do in the next 10 days for both SPRINTs. Secondly, we created the Use case diagram for IslandFurniture to identify the relationships between the actors and use cases. Thirdly, we did the use case specifications for 3 different functionalities by gathering and documenting the expected flow, alternate flow and error flow By myself, I did the front-end using HTML Markup Structure and styled the UI using CSS such as layouts, fonts and colours for "request for delivery". Then I used hyperlink to link "delivery" to the payment page after the customer successfully purchased the product. The customer can press the hyperlink "delivery" to proceed to the login page so that they can proceed to continue their delivery process. **Yesterday** me and Sakshi did data validation in server side and checked for specific requirements or length restrictions in the input values received in the delivery form. We also set up the connection of the API endpoint to the database and the client side server.

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	What are doing today?	**As a group today,** we created the scrum board with all the tasks to do in the next 10 days for both SPRINTs. Secondly, we created the Use case diagram for IslandFurniture to identify the relationships between the actors and use cases. Thirdly, we did the use case specifications for 3 different functionalitiesby gathering and documenting the expected flow, alternate flow and error flow **Today** I did the front-end using HTML Markup Structure and styled the UI using CSS such as layouts, fonts and colours for "request for delivery". Then I used hyperlink to link "delivery" to the payment page after the customer successfully purchased the product. The customer then can press hyperlink "delivery" to proceed to the login page so that they can proceed to continue their delivery process. The next day me and Sakshi will do data validation in server side and check for specific requirements or length restrictions in the input values received in the delivery form. We will also set up the connection of the API endpoint to the database and the client side server.	**Today** i will create HTML structure markup of the re-login page for the delivery with the attributes of email amd password. Secondly, I will also work on the CSS styling of the login page with the required libraries i need. **Tomorrow,** We will be debugging the delivery function.We will be implementing proper error-handling and validation to handle any potential issues. We will also conduct thorough testing of the delivery function but testing various scenarios.
	Is there anything blocking you?	When determining the priority in product backlog there were some arguable questions raised by team members but were solved by scrum master	When choosing which actions are include , extend or use case. Hence, the decision was made after all team members agreed.

Genevivi	What did you do yesterday?	**Yesterday** we created the effort estimation chart that helped us to understand the effort required for each task to evaluate the average hour needed for user stories. Secondly, We created the product backlog by listing down the priority items based on the effort estimation chart to arrange them from highest priority to the lowest. Thirdly, we created user stories and confirmation cards that captured the end users requirements and define the conditions for the user story to complete which aided in user needs and expectations. Lastly we created the work time available based on the average hourse needed per day and per week individually and together.	**On Tuesday**, we created the scrum board as a group with all the tasks to do in the next 10 days for both SPRINTs. Secondly, we created the Use case diagram for IslandFurniture to identify the relationships between the actors and use cases. Thirdly, we did the use case specifications for 3 different functionalities by gathering and documenting the expected flow, alternate flow and error flow. By myself, I did the HTML Structure of the delivery form, which has the attributes: name, telephone number, item code, address and email. I also did the CSS Styling and the JavaScript validation for incomplete fields. Yesterday, I started on the date picker styling such as HTML structure Markup and CSS with the required important libraries and JavaScript animation.
	What are doing today?	**As a group today**, we created the scrum board with all the tasks to do in the next 10 days for both SPRINTs. Secondly, we created the Use case diagram for IslandFurniture to identify the relationships between the actors and use cases. Thirdly, we did the use case specifications for 3 different functionalities by gathering and documenting the expected flow, alternate flow and error flow **Today** I did the HTML Structure of the delivery form, which has the attributes: name, telephone number, item code, address, and email. I also did the CSS Styling and the JavaScript validation for incomplete fields. **The next day,** I will start on the date picker styling such HTML structure Markup and CSS with the required important libraries and javascript animation.	**Today** I will create POST endpoint with API routing and also authentication or user password by the bcrypt library. Secondly, I will also create a middleware so that only members will be able to Login. **Tomorrow,** We will be debugging the delivery function.We will be implementing proper error-handling and validation to handle any potential issues. We will also conduct thorough testing of the delivery function but testing various scenarios.

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	Is there anything blocking you?	I will have to validate the item code by using the database	Debugging might take more time than expected

8.2 Daily Scrum meeting 2

Present: Mr Chan Veng Seng (Product Owner)
Ms   Singh Sakshi (SCRUM Master)
                               Ms Kanchana Saravanan (Team member)
Ms   Genevivi Mia Er (Team member)
Minuting Secretary: Ms Singh Sakshi (Team member)

	DAILY SCRUM MEETING (SPRINT 2)		
Team member	**Question**	**Tuesday**	**Thursday**
Sakshi	What did you do yesterday?	**Yesterday** I did the HTML structure and the CSS styling for the right-click menu so that users can access the "Add to Favourite" and "View Favourite" function	**Yesterday** i did the HTML markup for the "remove favourite" function. The i will do the CSS styling for the "Remove Favourite" function's user interface. I imported the required libraries
	What am I going to accomplish before the next meeting?	**Today** I will develop token authentication function to differentiate the Public User and Member. Create back-end route using JavaScript to communicate with front-end AJAX and back-end function that communicate with database Create back-end JavaScript function that access the database for GET "favourited products"	**Today**,As a group, We will be debugging the add to favourite function.We will be implementing proper error-handling and validation to handle any potential issues. We will also conduct thorough testing of the delivery function but testing various scenarios. As a group, We will be debugging the view favouritefunction.We will be implementing proper error-handling and validation to handle any potential issues. We will also conduct thorough testing of the delivery function but testing various scenarios.

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		Tomorrow, I will do the HTML markup for the "remove favourite" function. The i will do the CSS styling for the "Remove Favourite" function's user interface. I imported the required libraries	**The next day,** As a group we will estimated burn down graph of estimated effort and actual effort using Microsoft excel As a group, We will be debugging the view remove function. We will be implementing proper error-handling and validation to handle any potential issues. We will also conduct thorough testing of the delivery function but testing various scenarios
	Is there anything blocking you?	I can only start work after my colleague is done	Errors may be new and challenging to debug
Kanchana	What did you do yesterday?	**Yesterday** I created a database schema or tables to store user data and favourite items. Secondly, implement server-side logic to handle the "Add to Favourite" functionality. When a user clicks the "Add to Favourite" button, capture the user's ID and the furniture item ID.Store the association between the user and the favourite item in the database..	**Yesterday**, I developed server-side logic with a Delete request endpoint to handle the "Remove from Favourites" functionality. I also removed the association between the user and the favourited item from the database.
	What am I going to accomplish before the next meeting?	**Today**, I will do the backend for the view favourite function, such as database integration for members to be able to view their favourited items across different devices. I also did the JavaScript to save favourited items into the browser's local storage for public users. **Tomorrow**, I will developed server-side logic with a Delete request endpoint to handle the "Remove from Favourites" functionality. I also removed the association between the user and the	**Today** As a group, We will be debugging the add to favourite function. We will be implementing proper error-handling and validation to handle any potential issues. We will also conduct thorough testing of the delivery function but testing various scenarios. As a group, We will be debugging the view favourite function. We will be implementing proper error-handling and validation to handle any potential issues. We will also conduct thorough testing of the delivery function but testing various scenarios.

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		favourited item from the database.	
			The next day, As a group we will estimated burn down graph of estimated effort and actual effort using microsoft excel As a group, We will be debugging the view remove function.We will be implementing proper error-handling and validation to handle any potential issues. We will also conduct thorough testing of the delivery function but testing various scenarios
	Is there anything blocking you?	I might need to do some research as I am not very experienced.	Error handling might be new and challenging.
Genevivi	What did you do yesterday?	**Yesterday** I did the ajax handling to connect the front end and backend of the add to favourite function. I created a Http post request to add favourited items and create a route for response handling whenever the user clicks on "Add to favourite	**Yesterday**, For the back end, I did Ajax handling communicate with the front-end AJAX and back-end function that communicates with the database. Then I created a SQL query which deletes the products that will only remove the products from the favourite table. Technically, the table specifically for the favourited products will be the child table of the product table. I put the SQL query to the back-end asynchronous function that communicates with database and sends appropriate response back to the route. I will also apply necessary changed to the user interface every time a product is removed

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	What am I going to accomplish before the next meeting?	**Today**, I will do the HTML Structure for the view favourite page. This is the page where user can view all their favourited products. Then this page was styles using CSS styling. **Tomorrow**, For the back-end, I will do Ajax handling communicate with the front-end AJAX and back-end function that communicates with the database. Then I will create a SQL query which deletes the products that will only remove the products from the favourite table. Technically, the table specifically for the favourited products will be the child table of the product table. I will put the SQL query to the back-end asynchronous function that communicates with database and sends appropriate response back to the route. I will also apply neccesary changed to the user interface every time a product is removed	**Today**, As a group, We will be debugging the add to favourite function. We will be implementing proper error-handling and validation to handle any potential issues. We will also conduct thorough testing of the delivery function but testing various scenarios. As a group, We will be debugging the view favourite function. We will be implementing proper error-handling and validation to handle any potential issues. We will also conduct thorough testing of the delivery function but testing various scenarios. **The next day**, As a group we will estimated burn down graph of estimated effort and actual effort using microsoft excel As a group, We will be debugging the view remove function. We will be implementing proper error-handling and validation to handle any potential issues. We will also conduct thorough testing of the delivery function but testing various scenarios
	Is there anything blocking you?	I have to research	Debugging might take more time than expected

8.3 Product Owner Interview Meeting

People Present : Mr Chan Veng Seng (Product Owner)
                Sakshi
                Kanchana
                Genevivi

Sakshi:
As you said, we will be interviewing on the extended functionalities. My colleague Kanchana will be asking you about the add to favourite and view favourite function. And my colleague maybe will continue on the delivery tab function over to Kanchana.

Kanchana:
First question is what are the function is to add to favourite function?

Product Owner:
OK, basically what you need to do is that when you browse the website, if the items that you like, you can edit the clicker button, add it to the item. Through the favourite.

Kanchana:
What are the functionality? Of the new favourite.

Product Owner:
Basically, is able to view whatever. That to the so-called their favourite, yeah. The thing is that you have to consider that both add product to the favourite and view the so-called favoured container. It should be able to do it at any of the any time of the page view, yeah. So whether. Top, middle and bottom and then click on a button. You can add product, delete product from the favorite. And the nice thing about this because for. Even your non customers, you can use it so there's no locking required. So you don't have to become a customer in order to use to see this so-called favorite function.

Sakshi:
So non Members will be able to access the view favourites as. Well, correct. OK, got it.

Kanchana:
What can the user do in the view favourite?

Product Owner:
OK, for the view favourite again basically. Yeah, they can actually remove can. They can remove under the view. And the remove we it should be instantaneous. Instead of having to refresh, you don't need to refresh the page. Just slide the view, right, right click delete. So it should be instantaneous.

Kanchana:
OK.

Kanchana:

Favourite that will be available there? If not where you would like it. Like a user use the product. With the app to favorite app be available app that if not, where would you like it?

Product Owner:
No. That's why I said any point of the page view. Anytime. So if happened to at this page you like it, right click. OK, got it, pop. Either it's a pop up or or something.

Kanchana:
OK.

Product Owner:
No, no. OK. One other thing that we need is that it should not be a double duplication of ad for the same product.

Sakshi:
There shouldn't be a duplication, basically OK.

Product Owner:
Yeah, because we don't do. Jam up the entire favorite page because it says like URL. Actually it's the same URL, different page you add to favorite. It's still the same URL so. The whole page. So we don't have that. So if this is the one I I don't add to. Favorites. I cannot add the 2nd.

Sakshi:
OK, got it.

Kanchana:
If Item has any changes for example in price, price change availability. Should the user be notified of these objects? OK. OK, view favorite function allows to notify the users to look into their view favorite page once in a while like a timely.

Sakshi:
But will there be a confirmation pop up when you add to favourite? Will there be a confirmation pop up saying that? Oh, we're gonna add to favourite? Or is it instantaneously as well?

Product Owner:
It should be spontaneous.

Sakshi:
Spontaneous as well.

Kanchana:
So where would you like the? Like for the view favourite.

Product Owner:
Is all over the page. Yeah, yeah. Anytime you click on your mouse and then you can view already.

Sakshi:
Anytime of any of the any page, yeah. Correct, that's right click.

Genevivi:
For the deliveries that what are the functionalities of?

Product Owner:
OK, the whole purpose works in this way the customer. Like the product you purchase, the product you make payment and then if he decided to? Ask the company to deliver. This is where you need to lock in the customer customer to log into this tool called delivery page and then you need to fill up the form. Yeah. So as part of the use case, the attributes that need to be included for the so-called the customer. It's a date time. Attribute date time address. Telephone number and the item or the product code. Because they are. If you ever go shopping like sometimes you will. You ask them to deliver. But sometime some item you say you want to. Take it now. So. So that's why we are not so-called automating the entire software from the from the purchase item to this delivery of product.

Genevivi:
OK.

Product Owner:
So in other words. These are the five items that need to be captured in order considered done. If any of this cannot display failed, and I think I didn't mention that they need to lock in, cannot lock in also fail.

Genevivi:
OK.

Product Owner:
You have to create a new picture. New technique.

Genevivi:
Like is it under like maybe? Sorry, I mean the the navigation.

Product Owner:
So part of the navigation.

Genevivi:
Drop down. OK. When can users gain access to this tab after they place order?

Product Owner:
No, that's why I say anytime after they make payment, if they want delivery.

Genevivi:
So only after. They make payment.

Genevivi:
If the user has ordered more than one product will they be able to access specific product status?To access the specific product delivery status.

Product Owner:
OK, this one, you assume that it's been taken care of. It's not part of this use case.

Genevivi:
OK, well users will be able to modify or cancel their delivery.

Product Owner:
OK, this can be. Add on but not required. If they have, if the users have successfully can serve their purchase. For this, no, they they can no need to cancel.

Genevivi:
Will users be notified if delivery has been confirmed.

Product Owner:
OK, so during the lock in after locking in, you'll see the so-called delivery page, right, whereby he or she will need to fill up what information when come to the delivery date and time. So I thought it's up to you how to design whether it's a pop up calendar or some kind of. Simple interface whereby the user can choose. A date and time. To get their delivery. Yeah. So at that point, when you choose if the system, the availability and time is not there. It will prompt again. So when you talk tomorrow 10:00 o'clock the system not available, OK. Otherwise you'll pop confirm.

Genevivi:
Will users will customers be able to track their delivery in?

Product Owner:
Don't worry about this.

Genevivi:
Is there any other services required for this?

Sakshi:
So for the information on whether it's available or not, there's another system involved, right? Which will which will let the user know that ohh tomorrow we can't send it in the use case diagram. The other systems that are sending information in so when the user maybe says 2nd November and it cannot be delivered on 2nd November, there has to be a system which is.

Product Owner:
Good point. Yeah, actually in that sense it could be a vector, but under the object that actually we assume that the system.

Sakshi:
It's internal, OK.

Sakshi :
OK. Thank you so much.

Product Owner:

Schedule a so-called scrum review. So let me work out the the schedule. Then I will. I just take you to the team because the after the tomorrow, I won't be seeing you and actually.

Sakshi:
OK, guys, very good.

Product Owner:
The first week. The first thing your comeback actually is the delivery is the due date. The start of CA2 so lucky. Unlucky. Yeah, yeah, yeah. You guys are kind of quite tight for previous pressure, actually. The first one is 8 weeks. Calendar. Yes, it's seven weeks. Yeah, but of course, next year you'll be you'll be easy for you. And then followed by 7 weeks.

Sakshi:
OK, thank you. Have a good day.

Product Owner:
Yeah, same to you.

8.4 Sprint Review Meeting

People Present : Mr Chan Veng Seng (Product Owner)

Sakshi

Kanchana

Genevivi

Product Owner:

Yeah. Great. So you're done. Hang on now. Let me take some notes first. So this is done. OK. Can I take a look at your effort estimation?

Sakshi:

They'll be all the way below. So we only needed round one because we could come to an agreement. Yeah, because we we actually in our Scrum board we have specifically explained what are all the things we have to do. Yeah. So yeah.

Product Owner:

OK. I just the suggestions, you may just one or two. You may want to go for too long because in real world it's it's almost impossible that round one.

Sakshi:

Ohh, OK, OK.

Product Owner:

It so some of that you may want to go for two rounds and two are average. So whatever hours that you get from here, this is the one with serve as the input to the product backlog that. That last column.

Sakshi:

Yep, Yep. That's how we did it. Yeah.

Product Owner:

Yeah, these these two need to be tallied just otherwise you can mark down.

Sakshi:

We also did. We also did the work time available like just wanted to show you. Yeah, sorry, that's our scrum board. It's very, very messy. Sorry. Give me a moment. OK, I can't find the answer. Wait, give me a moment. We don't. I. Sorry. Sorry. I think I found it with the work time available is after product background if it. I'm here. Sorry, Sir. The work time available. Like we just divided the hours per day and we got to know how many hours we all should be working.

Product Owner:

This is done right. This is actually work, right? Well, basically you did this to as input for your burn down chart, yeah. OK. Yeah. Nice. Can you go to the use case diagram. OK. So you captured the current one, the new one where where the three new new cases, if you can, you may want to use a different color so that you kind of different shape from the so-called current.

Sakshi:
OK. OK can can.

Product Owner:
Alright, what about the user story can? I take a look user story.

Sakshi:
Yeah, yes, sure.

Product Owner:
Time this is. Time. Hang on, let me take some notes first time, OK? There's a story. Yeah, at #1.

Sakshi:
OK, this is our first user story.

Product Owner:
Confirmations as a part of the acceptance criteria members has to fill in a name. If I would ask you, how are you? Ready to test this thing? Members has to fill in a name.

Sakshi:
How would we test? Yeah. So it would be a required field. In basically our Sprint backlog, there would be JavaScript to make sure that the user has to fill in all these to even submit. Yeah, it it's set in our Sprint backlog for the debugging part. So should we include it here?

Product Owner:
Under the note, you may want to say that there are when the user name is, you will display the name of display the phone number.

Sakshi:
Ohh, like it's mandatory. Yeah, OK, OK. Got it. Yeah.

Product Owner:
Display the code. Because otherwise, by reading this, you won't know that. Can this be tested? Yeah. Remember has to fill in the name. Yeah, but then come to. That done, how how do I? Be sure that this is criteria.

Sakshi:

So something like putting in the notes that member has to fill in all attributes for it to be successful.

Product Owner:

Yeah, yeah, something like that to display, yeah.

Sakshi:

OK. Ohh to display OK.

Product Owner:

Phone number I made attribute to the display on the screen now.

Sakshi:

OK.

Product Owner:

As part of a note, yeah.

Sakshi:

OK.

Product Owner:

OK uh, so user story. What about user specification?

Sakshi:

Use case specification. OK, these are user stories. And this is our use case specification is quite long. Yeah, yeah. This is add to favorite.

Product Owner:

OK, can so this is done so in fact. Alright, so I suppose you also have done your burndown chart.

Sakshi:

The the parting of the graph. Yeah. Or we decided to. We decided to do that after completing the Sprint tomorrow. We're on day four of our Sprint two right now.

Product Owner:

OK, great. So yeah, that would be nice. What? OK, I suppose you. Scrum board should be ready as well.

Sakshi:

Yeah, yeah, we can show you our scrum board for sprint two and sprint one.

Product Owner:

Oh, so like that you are using Trello or using what to do the Scrum board?

Sakshi:

We are using a template which goes saying the backlog the in progress and done.
 OK. Oh, hang on. I'm.
Sorry, I'm just yeah.

Product Owner:

Yeah, not very good. If you are able to. Use something like a Trello, whereby you kind of organize it in terms of sequence order instead of pasting over.

Sakshi:

OK. OK.

Product Owner:

That would be better if you if you're not using Trello, you may want to use Excel file to create a column for backlog sprint.

Sakshi:

OK.

Product Owner:

Backlog, which is basically a task and then not started in progress and then finalize the final column should be done. Yeah. After my suggestion is that because we still.

Sakshi:

OK. OK. OK.

Product Owner:

You, you, you finish some. Some have not done so. You should kind of do a screenshot on that time.

Sakshi:

Yeah, we have day. We have day one to day five actually.

Product Owner:

Yeah, but I cannot see the flow from from.

Sakshi:

Yeah, yeah, I understand what you mean. I understand. What you mean, yeah.

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Product Owner:

Yeah. So it'll be better because that's the whole intent of this. It's not supposed to be, you know, stand alone. So, you know, wherever come into the room, project the. Room. He, he or she will need to see the.

Sakshi:

So we so the so sorry, yeah.

Product Owner:

Yeah, I suggest that you may want to use a Trello to help you, or use a spreadsheet to help you instead of.

Sakshi:

OK.

Product Owner:

Like sticker notes, you may want to organize it into.

Sakshi:

OK. OK. Yeah. I just have a question. So when we submit our scrum, our Scrum Board, everything would be done right? So is that what we?

Product Owner:

No, no. That's why I say you should take a a snapshot whereby there are some. Not started. There's some work.

Sakshi:

Ohh like this you know. Day one day two like OK.

Product Owner:

Correct, that's correct. Correct. Some, some some movement after the flow. All I can see is that all done or not not started nothing in between.

Sakshi:

Yeah, OK. OK. OK. I think we have the idea. We just did it the wrong way. We can just. We can just do it in another. Way no problem.

Product Owner:

Yeah, actually you can organize this into so-called in the steps would be easier to to read, otherwise would be very challenging to, yeah, to look at this. So you should take the entirety from left to right, not as a single screen. OK can.

Sakshi:

OK, Can.

Product Owner:

Oh, very good. Yeah, I've done a good job so far. Yes, it's also one of the better one. So I can presume that you left maybe about 15% balance, right? OK. So one final piece of advice for you is that before your submission, please go through the project briefly one more time to ensure that all the deliverables are to be submitted accordingly whereby you know always use the templates given in the brief if possible in this case. Unfortunately, they they don't have a template for you, but basically you you should do something. Either use the trailer or use a Excel file or any other. So-called Scrum board kind of software that allows you to present the scrum board, OK.

Sakshi:

Yep, got it. OK. Thank you so much. Thank you. Bye, bye.

Product Owner:

Hey, thank you so much. Enjoy your holiday.