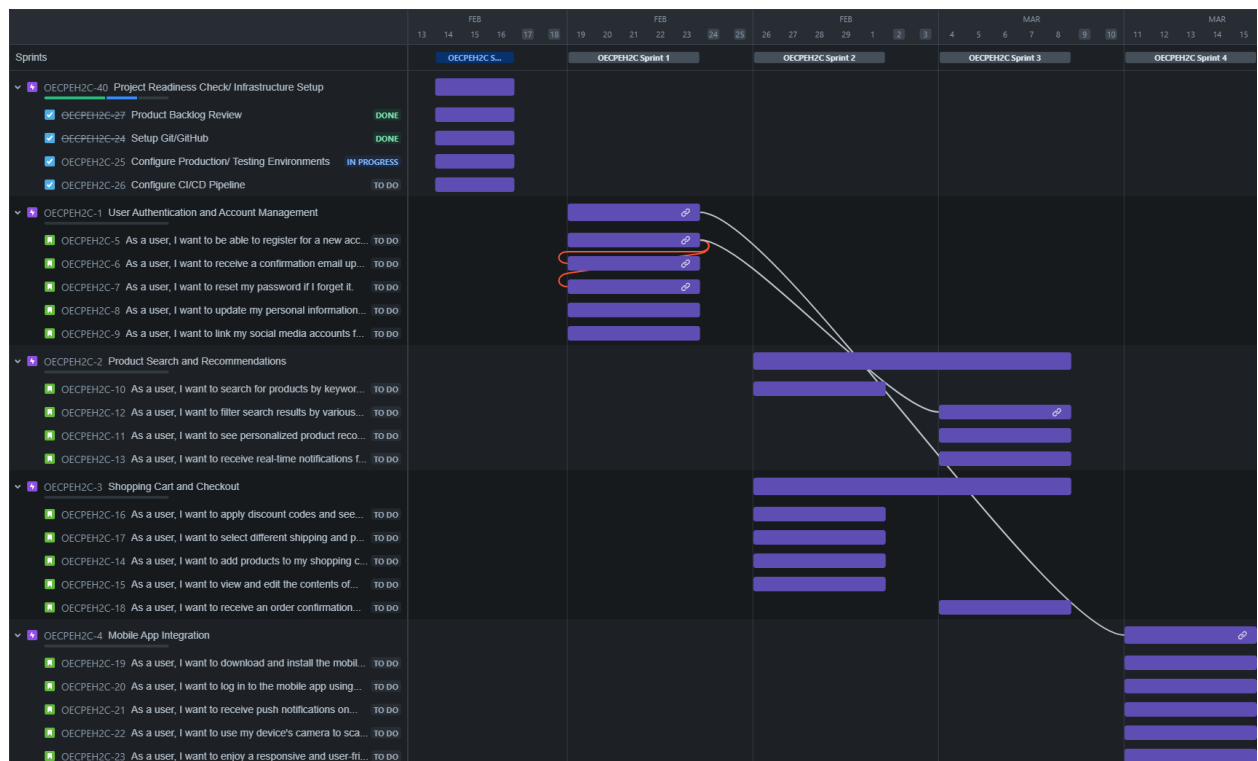


CSE 566 Assignment 2 - Agile Project Planning

Project Name: Online E-Commerce Platform Enhancement

Project Overview: A popular online e-commerce platform aims to enhance its user experience, improve website performance, and introduce new features to stay competitive in the market. The project is organized into several epics, each with specific goals and objectives.

My Jira Timeline:

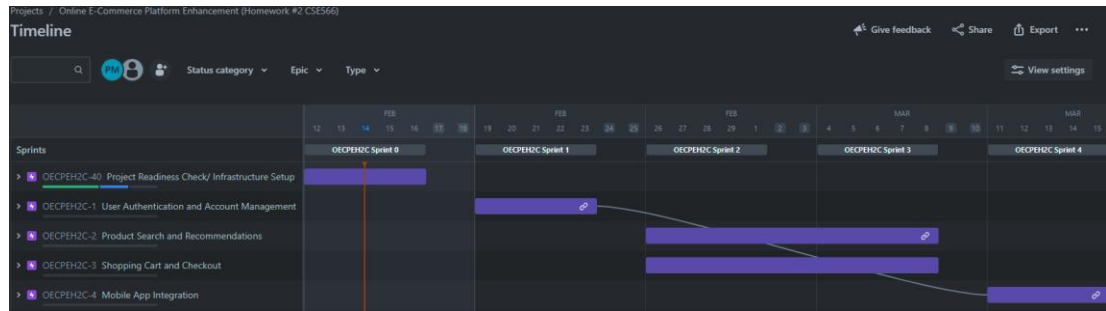


Creating a schedule for a team of 4 (Cross-functional) following SCRUM:

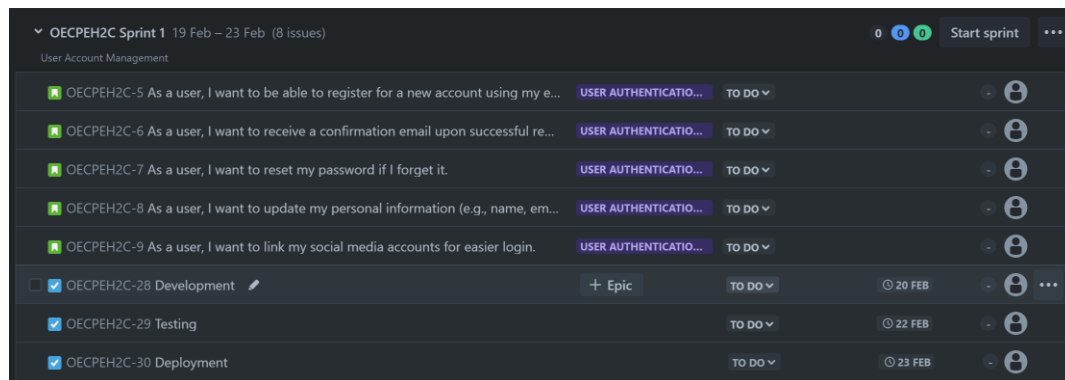
- We made four sprints (excluding sprint 0) where each sprint takes around a week (excluding weekends) on the timeline of our Jira Project to accommodate 4 epics &

CSE 566 Assignment 2 - Agile Project Planning

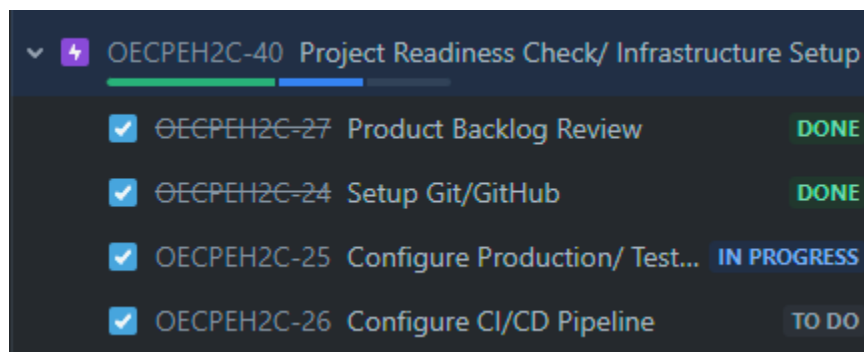
their user stories as below:



- Each sprint will cover 4- 5 *User stories which will not necessarily be from the same epic* and undergo 3 stages - Development (2 days), Testing (2 days), Deployment (1 day). These 3 stages have been represented using **tasks** under each sprint to adhere to corresponding sprint's schedule as below:

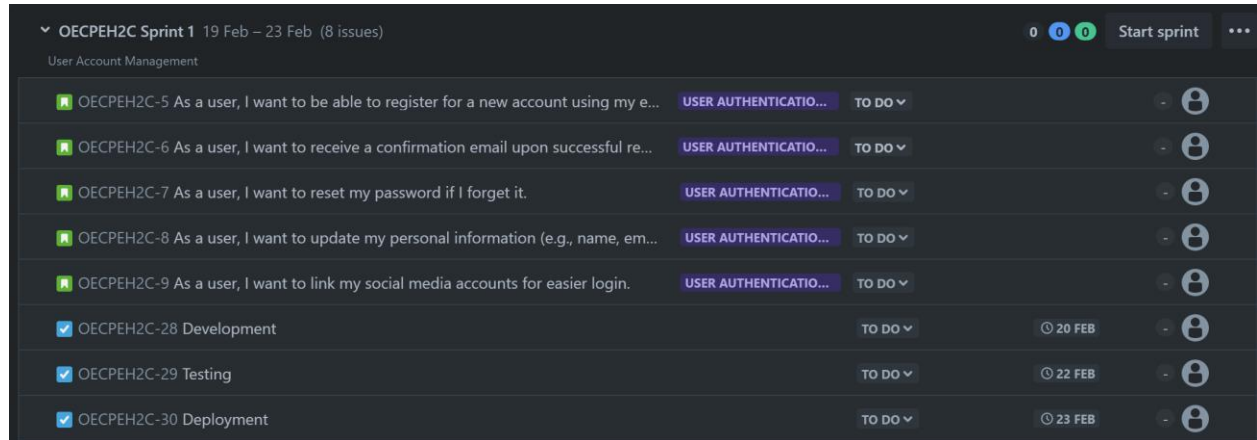


- Sprint 0 (3 other activities related to the necessary technical infrastructure and tools required for the project)** is to address project readiness and to set up the infrastructure. It consists of the below tasks:



CSE 566 Assignment 2 - Agile Project Planning

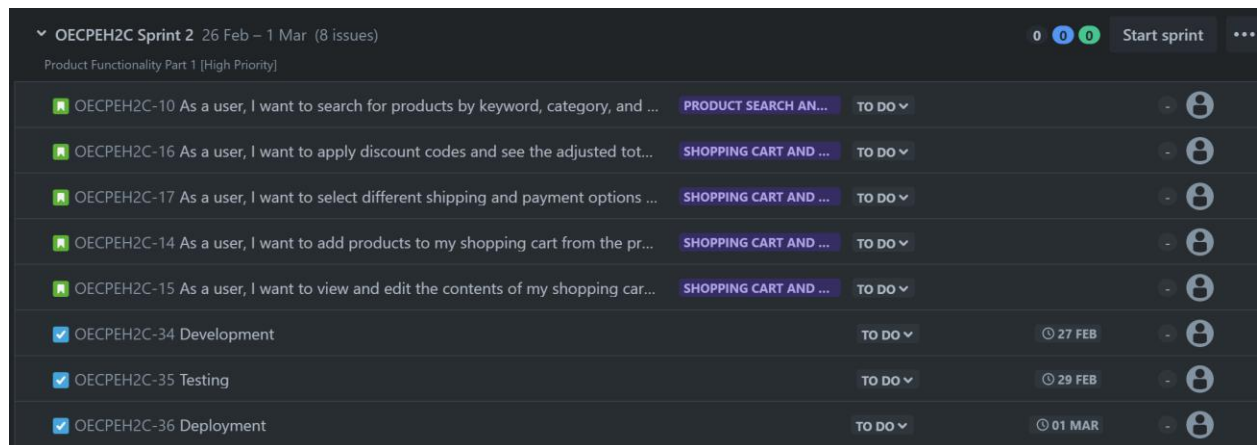
- In Sprint-1, We will take up **Epic 1: User Authentication and Account Management** and address all it's user stories as it is a critical dependency for future sprints/Epics.



The screenshot shows the Jira backlog for 'OECPEH2C Sprint 1' (19 Feb – 23 Feb, 8 issues). The backlog is titled 'User Account Management'. It contains 8 issues, all of which are user stories related to user authentication and account management. The first 5 issues are user stories, and the last 3 are development, testing, and deployment tasks. Each issue has a 'TO DO' status and a due date.

Issue ID	Description	Category	Status	Due Date	Assignee
OECPEH2C-5	As a user, I want to be able to register for a new account using my e...	USER AUTHENTICATIO...	TO DO		
OECPEH2C-6	As a user, I want to receive a confirmation email upon successful re...	USER AUTHENTICATIO...	TO DO		
OECPEH2C-7	As a user, I want to reset my password if I forget it.	USER AUTHENTICATIO...	TO DO		
OECPEH2C-8	As a user, I want to update my personal information (e.g., name, em...	USER AUTHENTICATIO...	TO DO		
OECPEH2C-9	As a user, I want to link my social media accounts for easier login.	USER AUTHENTICATIO...	TO DO		
OECPEH2C-28	Development		TO DO	20 FEB	
OECPEH2C-29	Testing		TO DO	22 FEB	
OECPEH2C-30	Deployment		TO DO	23 FEB	

- One Developer is going to take care of 2 user stories and the other 3 developers will take care of the remaining 3 user stories. *(Similar approach will be followed where 5 stories are expected to be completed at the end of the sprint)*
- In Sprint-2, We will implement **4 user stories from Epic 3: Shopping Cart and Checkout** and **1 user story from Epic 2: Product Search and Recommendations** so that customers can start shopping.



The screenshot shows the Jira backlog for 'OECPEH2C Sprint 2' (26 Feb – 1 Mar, 8 issues). The backlog is titled 'Product Functionality Part 1 [High Priority]'. It contains 8 issues, all of which are user stories related to product functionality. The first 5 issues are user stories, and the last 3 are development, testing, and deployment tasks. Each issue has a 'TO DO' status and a due date.

Issue ID	Description	Category	Status	Due Date	Assignee
OECPEH2C-10	As a user, I want to search for products by keyword, category, and ...	PRODUCT SEARCH AN...	TO DO		
OECPEH2C-16	As a user, I want to apply discount codes and see the adjusted tot...	SHOPPING CART AND ...	TO DO		
OECPEH2C-17	As a user, I want to select different shipping and payment options ...	SHOPPING CART AND ...	TO DO		
OECPEH2C-14	As a user, I want to add products to my shopping cart from the pr...	SHOPPING CART AND ...	TO DO		
OECPEH2C-15	As a user, I want to view and edit the contents of my shopping car...	SHOPPING CART AND ...	TO DO		
OECPEH2C-34	Development		TO DO	27 FEB	
OECPEH2C-35	Testing		TO DO	29 FEB	
OECPEH2C-36	Deployment		TO DO	01 MAR	

CSE 566 Assignment 2 - Agile Project Planning

- In Sprint-3, We will implement **3 user stories from Epic 2: Product Search and Recommendations** and **1 user story from Epic 3: Shopping Cart and Checkout.**

Epic-2 & 3 will be completed at the end of this sprint.

<div> <div> <div>▼</div> <div>OECP2H2C Sprint 3</div> <div>4 Mar – 8 Mar</div> <div>(7 issues)</div> </div> <div> <div>0</div> <div>0</div> <div>0</div> </div> <div>Start sprint</div> <div>⋮</div> </div>			
Product Functionality Part 2 [Low Priority]			
<input type="checkbox"/>	<div> <div>■</div> <div>OECP2H2C-12</div> <div>As a user, I want to filter search results by various criteria (e.g...</div> <div>✎</div> </div>	<div>PRODUCT SEARCH AN...</div> <div>TO DO ▼</div>	<div>0</div> <div>👤</div> <div>⋮</div>
<input checked="" type="checkbox"/>	<div> <div>■</div> <div>OECP2H2C-11</div> <div>As a user, I want to see personalized product recommendations ba...</div> </div>	<div>PRODUCT SEARCH AN...</div> <div>TO DO ▼</div>	<div>-</div> <div>👤</div>
<input checked="" type="checkbox"/>	<div> <div>■</div> <div>OECP2H2C-13</div> <div>As a user, I want to receive real-time notifications for new product...</div> </div>	<div>PRODUCT SEARCH AN...</div> <div>TO DO ▼</div>	<div>-</div> <div>👤</div>
<input checked="" type="checkbox"/>	<div> <div>■</div> <div>OECP2H2C-18</div> <div>As a user, I want to receive an order confirmation email with detail...</div> </div>	<div>SHOPPING CART AND ...</div> <div>TO DO ▼</div>	<div>-</div> <div>👤</div>
<input checked="" type="checkbox"/>	<div> <div>■</div> <div>OECP2H2C-31</div> <div>Development</div> </div>	<div>TO DO ▼</div>	<div>🕒 05 MAR</div> <div>-</div> <div>👤</div>
<input checked="" type="checkbox"/>	<div> <div>■</div> <div>OECP2H2C-32</div> <div>Testing</div> </div>	<div>TO DO ▼</div>	<div>🕒 07 MAR</div> <div>-</div> <div>👤</div>
<input checked="" type="checkbox"/>	<div> <div>■</div> <div>OECP2H2C-33</div> <div>Deployment</div> </div>	<div>TO DO ▼</div>	<div>🕒 08 MAR</div> <div>-</div> <div>👤</div>

- In Sprint-4, We will implement Epic 4: Mobile App Integration and address all its user stories.

OECPEH2C Sprint 4 11 Mar – 15 Mar (8 issues)				0	0	0	Start sprint	...
Mobile App Integration								
<input checked="" type="checkbox"/>	OECPEH2C-19	As a user, I want to download and install the mobile app from the ...	MOBILE APP INTEGRAT...	TO DO ▾	-			
<input checked="" type="checkbox"/>	OECPEH2C-20	As a user, I want to log in to the mobile app using my existing acco...	MOBILE APP INTEGRAT...	TO DO ▾	-			
<input checked="" type="checkbox"/>	OECPEH2C-21	As a user, I want to receive push notifications on my mobile device...	MOBILE APP INTEGRAT...	TO DO ▾	-			
<input checked="" type="checkbox"/>	OECPEH2C-22	As a user, I want to use my device's camera to scan barcodes and s...	MOBILE APP INTEGRAT...	TO DO ▾	-			
<input checked="" type="checkbox"/>	OECPEH2C-23	As a user, I want to enjoy a responsive and user-friendly experienc...	MOBILE APP INTEGRAT...	TO DO ▾	-			
<input checked="" type="checkbox"/>	OECPEH2C-37	Development		TO DO ▾		🕒 12 MAR		
<input checked="" type="checkbox"/>	OECPEH2C-38	Testing		TO DO ▾		🕒 14 MAR		
<input checked="" type="checkbox"/>	OECPEH2C-39	Deployment	+ Epic	TO DO ▾		🕒 15 MAR		...

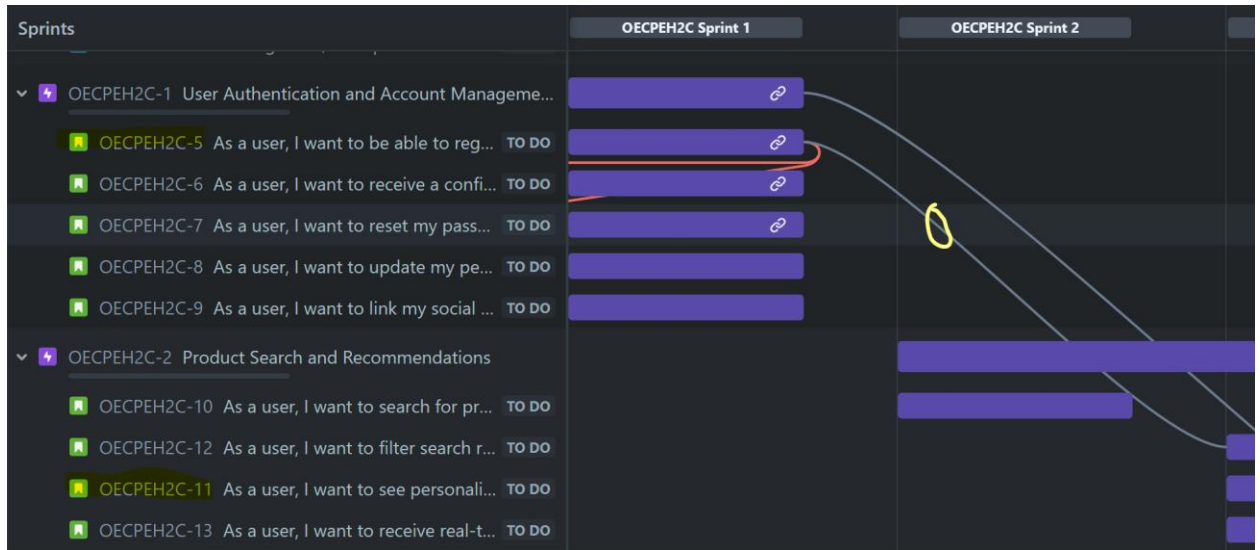
Dependencies Encountered:

- Dependency within Epic1 (Sprint-1), **new account registration** user story must be completed before starting registration **Email confirmation** user story and **password reset** user story.

Item	Requirement	Priority	Status	Assignee
OECP2C-1	User Authentication and Account Management			
OECP2C-5	As a user, I want to be able to register for a new account using my email and password.	TO DO		
OECP2C-6	As a user, I want to receive a confirmation email upon successful registration to verify my account.	TO DO		
OECP2C-7	As a user, I want to reset my password if I forget it.	TO DO		

CSE 566 Assignment 2 - Agile Project Planning

- Dependency between Sprint-1 and Sprint-2, **new account registration** user story must be completed to implement **product recommendations based on my browsing and purchase history**.



- Dependency between Epic 1 (Sprint-1) and Epic 4 (Sprint-4), **new account registration** user story must be completed to log in to the mobile app using my existing account credentials.

References:

1. https://youtu.be/n_coOcjVJzQ?si=TffUADG01URcFuzk [Jira Projects]
2. <https://youtu.be/sEoyFQTZWIM?si=GLKwvTPcZc2ZLKq2> [Epics creation]
3. https://youtu.be/NpRAsyZEqxw?si=UKzX8_aGLDNDWuft [Sprint planning with Jira]
4. https://youtu.be/bvKDldShE8A?si=OAZeakl_Dj2mcpv [Sprint planning with Jira contd.]
5. <https://youtu.be/kkl7Aw6Y-sM?si=nqBU617LkAs1CKAL> [Jira tasks]