



Islamic University of Technology
Board Bazar, Gazipur, Dhaka, 1704, Bangladesh

Lab Assignment - Scrum Simulation

SWE 4402 - Software Requirements and Specifications Lab

Title : Focusbook

Team Koders

Signature of Product Owner:

May 5, 2024

Abstract

This document presents an in-depth analysis of one sprint within the "FocusBook" project, a browser extension aimed at refining users' Facebook browsing experience. The project's core objective is to mitigate distractions and boost productivity by filtering the user's feed. This involves removing posts from non-friends and concealing content from unrelated groups. Additionally, the extension will incorporate a feature to hide the Reels section, notorious for its time-consuming nature.

Catering to users with religious sensitivities, an option to blur images of the opposite gender will also be provided. The sprint documentation outlines the tasks, goals, and progress achieved during this iteration of the project, emphasizing the team's commitment to improving users' online focus and efficiency.

Acknowledgments

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Contents

1	Product Backlog	3
1.1	Product Backlog Before The Sprint	3
1.2	Product Backlog After The Sprint	3
2	Daily Scrum Meeting	4
2.1	Scrum Backlog	4
2.2	Initial Scrum Board	5
2.3	Day-1: 29/04/24	5
2.4	Day-2: 30/04/24	6
2.5	Day-3: 01/05/24	8
2.6	Day-4: 02/05/24	9
2.7	Day-5: 03/05/24	10
2.8	Day-6: 04/05/24	12
2.9	Day-7: 05/05/24	13
2.10	Final Scrum Board	15
3	Sprint Review	16
3.1	Sprint Goal	16
3.2	Progress Update	16
4	Retrospective Report	18
4.1	What went well	18
4.2	What didn't	18
4.3	How the team can improve in the next sprint	19

Chapter 1

Product Backlog

1.1 Product Backlog Before The Sprint












	Tasks	Assigned To	Priority	Health	Status
1	As a user, I want to filter my Facebook feed to only display posts from my friends, so that I can focus on content from people I know and trust.	 KHALID HASAN ADOR		0 	Complete
2	As a user, I want to hide posts from groups I haven't joined, so that I can clean up my feed and see more posts from groups I'm actively engaged in.	 Hamim Saad		1 	In Progress
3	As a user, I want the ability to customize filter settings for my Facebook feed, so that I can tailor my browsing experience according to my preferences and needs.	 KHALID HASAN ADOR		1 	In Progress
4	As a user, I want to hide the Reels section on Facebook, so that I can minimize time spent on social media.	 Mainul Hasan		2 	In Progress
5	As a user, I want the option to blur pictures of the opposite gender so that I can protect myself from Jina of eyes.	 KHALID HASAN ADOR		3 	In Progress
6	As a user, I want the option to hide sponsored content from my feed, so that I can focus on organic content shared by my friends and groups.			4 	Not Started

Figure 1.1: Product Backlog Before The Sprint

1.2 Product Backlog After The Sprint












	Tasks	Assigned To	Priority	Health	Status
1	As a user, I want to filter my Facebook feed to only display posts from my friends, so that I can focus on content from people I know and trust.	 KHALID HASAN ADOR		0 	Complete
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6	As a user, I want the option to hide sponsored content from my feed, so that I can focus on organic content shared by my friends and groups.			4 	Not Started

Figure 1.2: Product Backlog After The Sprint

Chapter 2

Daily Scrum Meeting

2.1 Scrum Backlog

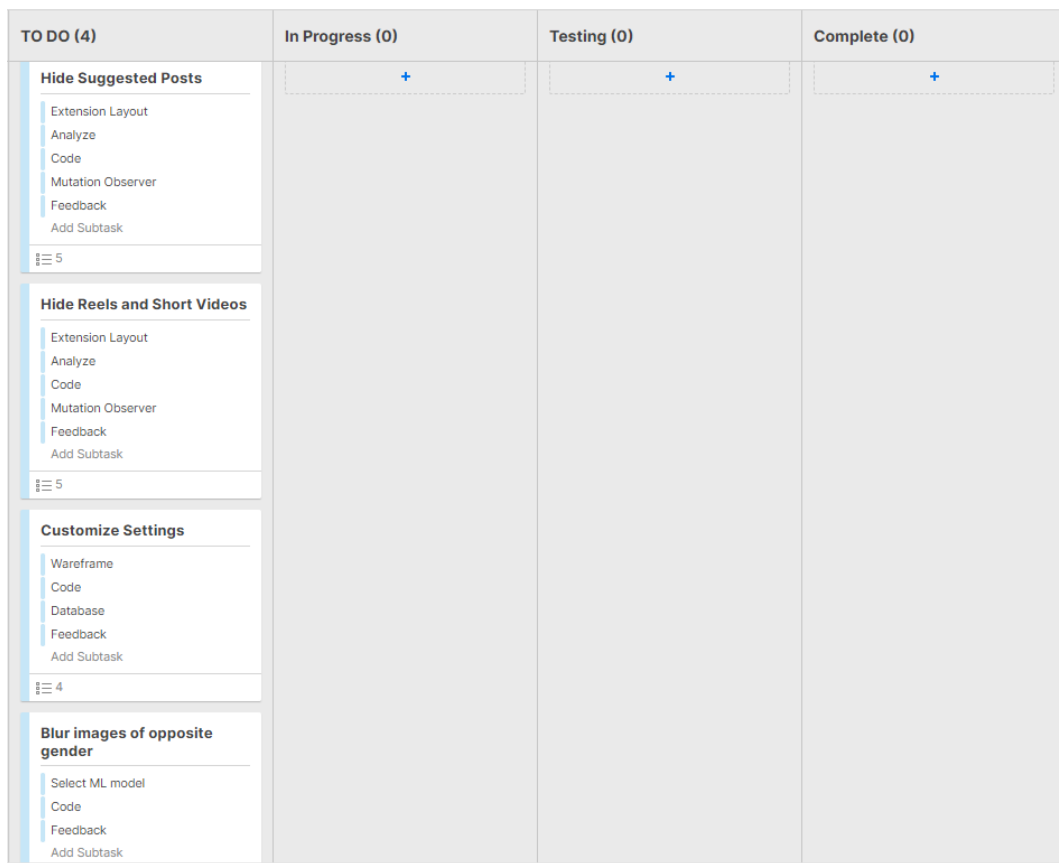


Figure 2.1: Scrum Backlog

2.2 Initial Scrum Board

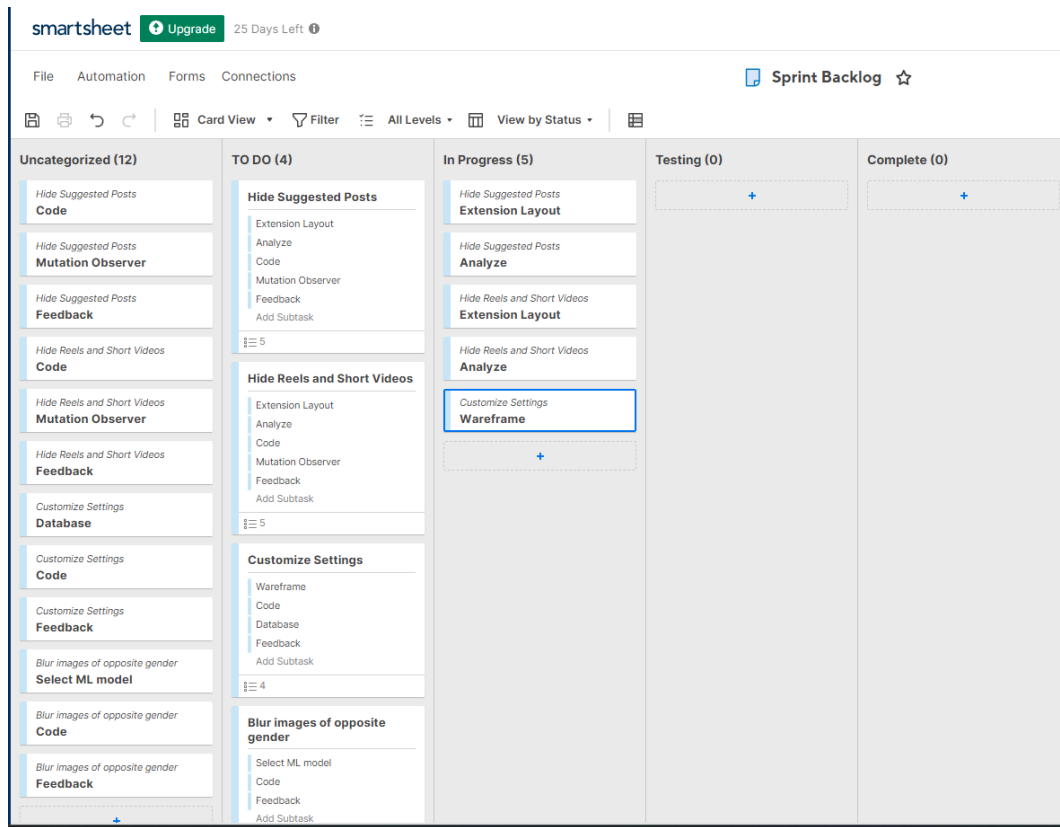


Figure 2.2: Initial Scrum Board

2.3 Day-1: 29/04/24

Member-1: Mainul

1. Yesterday I analyzed the reels section of FB and tried to identify any unique key to recognize the reels section.
2. Today i will try to remove the Reels and short videos section from FB.
3. The HTML part of FB was very complex and readability was very bad.

Member-2: Hamim

1. Yesterday I tried to analyze and identify any unique key to identify suggested posts.

2. Today i will try to remove the suggested posts from FB.
3. I didn't face any specific problem yesterday.

Member-3: Khalid

1. Yesterday I designed the UI for the extension control panel.
2. Today I will try to code it.
3. Faced some problems to do pair programming as Hamim's and Mainul's work was not done and they didn't say specifically what buttons they will need.

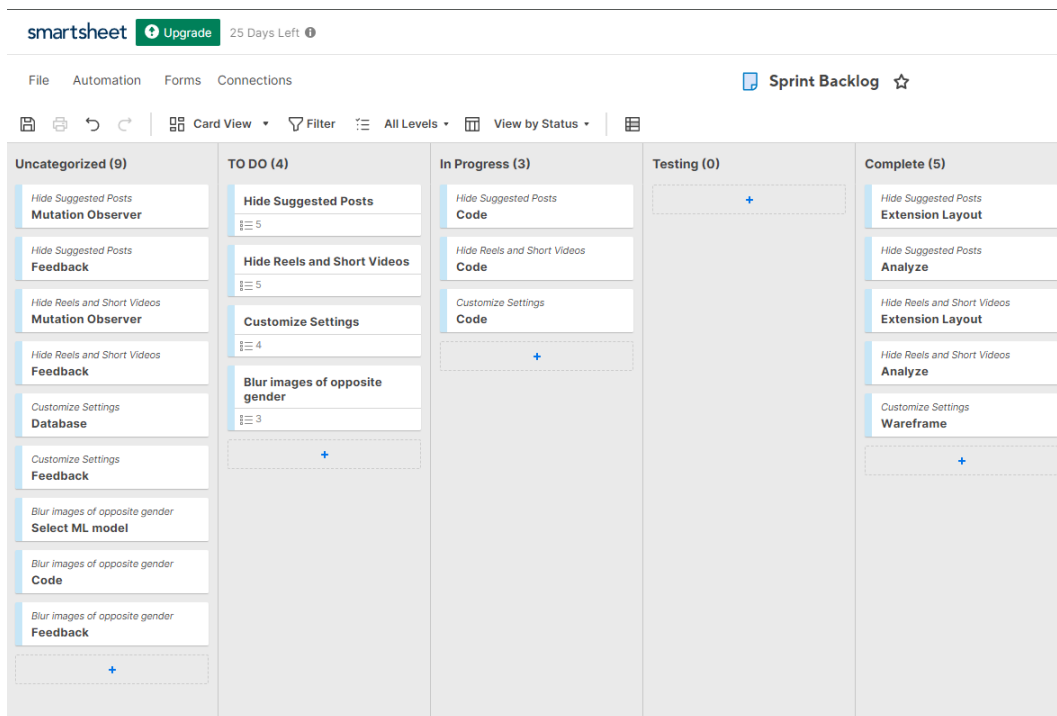


Figure 2.3: Day-01

2.4 Day-2: 30/04/24

Member-1: Mainul

1. Yesterday i tried to remove a block from FB and succeeded.

2. But if a block is loaded than my code is not removing it.
3. Today i will try to implement a code to continuously remove a specific block.

Member-2: Hamim

1. Yesterday i tried to remove a block from FB and succeeded.
2. I was pair programming with Mainul and faced the same issue.
3. Today i along with Mainul will try to implement a code to continuously remove a specific block.

Member-3: Khalid

1. Yesterday i successfully finished the HTML and CSS part for the control panel.
2. But if i reload user's preferences are not being saved.
3. Today i will try to incorporate Database to save user's preferences.

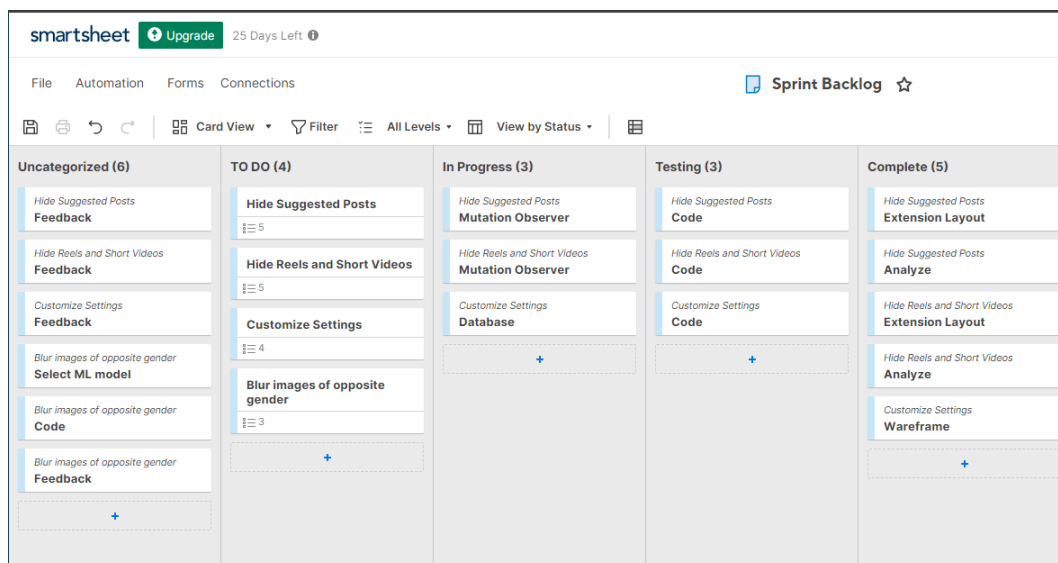


Figure 2.4: Day-02

2.5 Day-3: 01/05/24

Member-1: Mainul

1. Yesterday i implemented the mutation observer part along with Hamim.
2. I didn't face any specific problem yesterday.
3. Today i will sync the functions with mutation observer.

Member-2: Hamim

1. Yesterday i implemented the mutation observer part along with Mainul.
2. I didn't face any specific problem yesterday.
3. Today i will sync the functions with mutation observer.

Member-3: Khalid

1. Yesterday I successfully implemented the Database part using Chrome's local storage.
2. But it seems those variables were not accessible globally.
3. Today i will try to incorporate Database to save user's preferences globally.

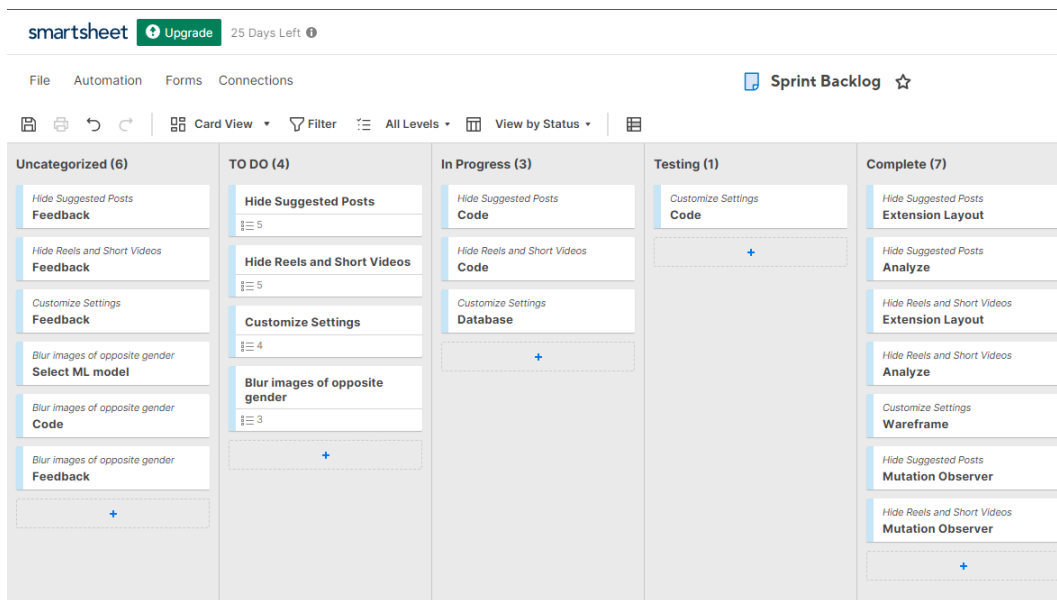


Figure 2.5: Day-03

2.6 Day-4: 02/05/24

Member-1: Mainul

1. Yesterday we successfully synced the mutation observer with the functions.
2. Our pair programming was not up to the mark. Had some complications regarding our tasks.
3. Today we will try to test our functions.

Member-2: Hamim

1. Yesterday we successfully synced the mutation observer with the functions.
2. Our pair programming was not up to the mark. Had some complications regarding our tasks.
3. Today we will try to test our functions.

Member-3: Khalid

1. Yesterday I successfully implemented how I can use local variables globally.
2. I didn't face any specific problem yesterday.
3. Today i will sync the buttons and the functions created by Hamim and Mainul with event listener.

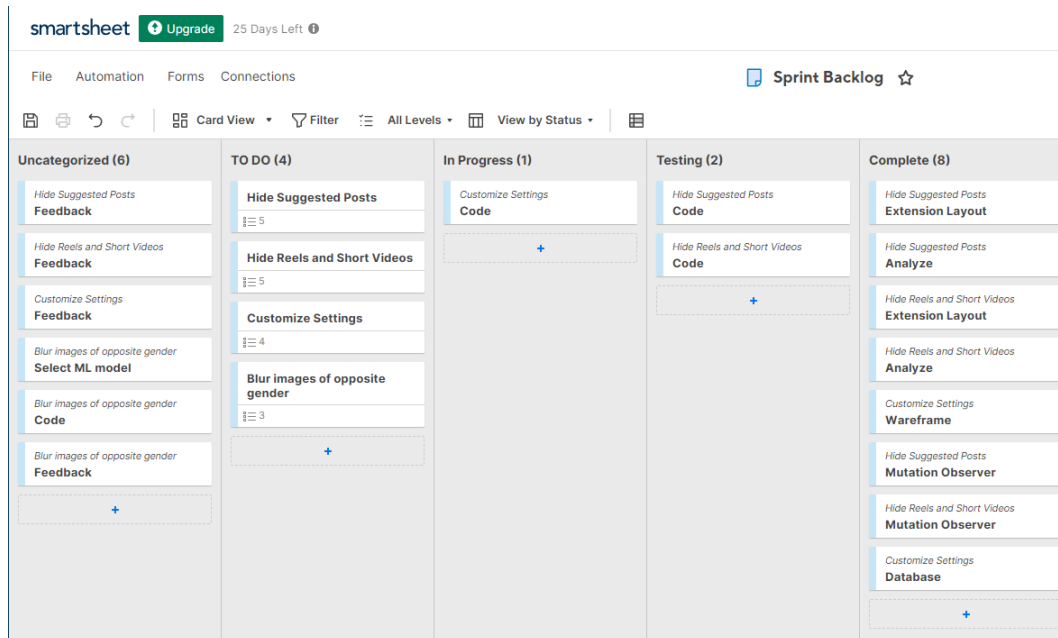


Figure 2.6: Day-04

2.7 Day-5: 03/05/24

Member-1: Mainul

1. Yesterday we were testing our code. And it was working successfully.
2. But after a certain time FB was showing a message "Something Went wrong"
3. Today we will try to solve that issue and test further.

Member-2: Hamim

1. Yesterday we were testing our code. And it was working successfully.
2. But after a certain time FB was showing a message "Something Went wrong"
3. Today we will try to solve that issue and test further.

Member-3: Khalid

1. Yesterday I tried to sync the buttons with the functions. And I somewhat was successful.
2. But the functions created by Hamim and Mainul was not working properly.
3. So, Today i will help them to solve the issue and test further. Plus i will try to look into some ML models for our project.

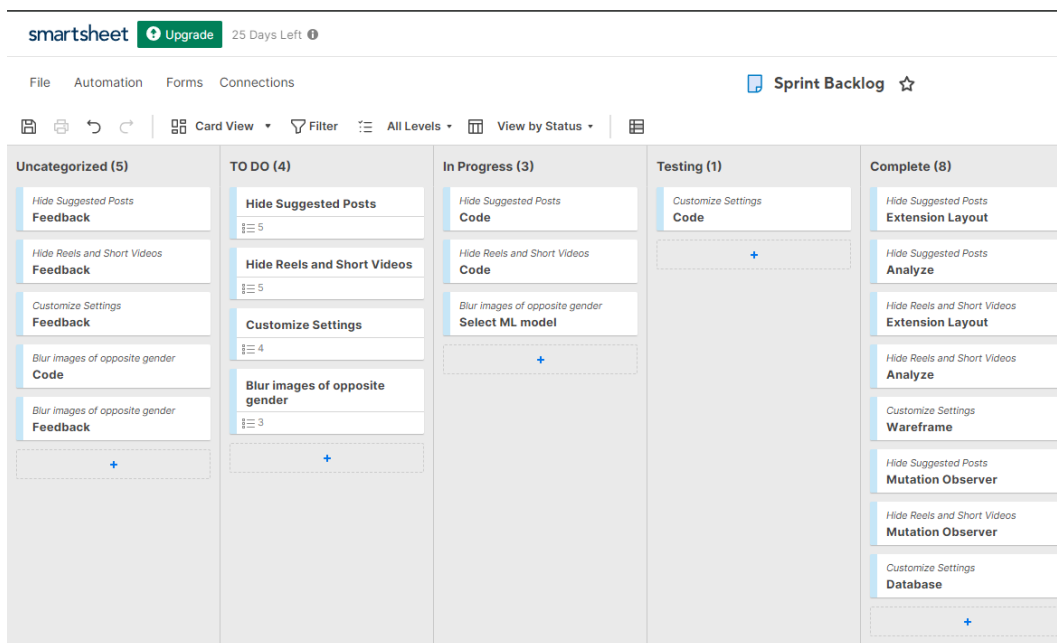


Figure 2.7: Day-05

2.8 Day-6: 04/05/24

Member-1: Mainul

1. Yesterday we solved the issue we faced earlier by changing some CSS properties.
2. But we still couldn't understand the reason behind that issue.
3. Today we will try to test our final product.

Member-2: Hamim

1. Yesterday we solved the issue we faced earlier by changing some CSS properties.
2. But we still couldn't understand the reason behind that issue.
3. Today we will try to test our final product.

Member-3: Khalid

1. Yesterday the previous issue was solved and I looked into some ML models for our project.
2. But I could not finalize which one would be best for our purpose.
3. So, Today i will look into that again and help my team members to test our final product.

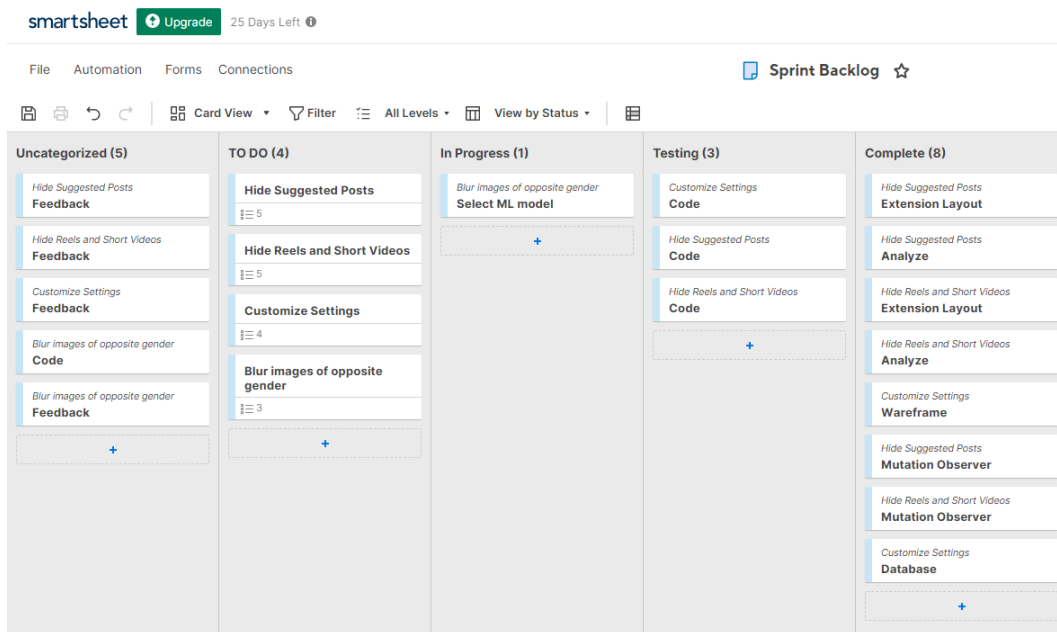


Figure 2.8: Day-06

2.9 Day-7: 05/05/24

Member-1: Mainul

1. Yesterday we tested and finalized the modules.
2. We did not face any issues.
3. Today we will try to get feedback from our Product Owner and Ship the product.

Member-2: Hamim

1. Yesterday we tested and finalized the modules.
2. We did not face any issues.
3. Today we will try to get feedback from our Product Owner and Ship the product.

Member-3: Khalid

1. Yesterday we tested and finalized the modules.

2. We did not face any issues. But was not still able to finalize the ML Model.
3. Today we will try to get feedback from our Product Owner and Ship the product.

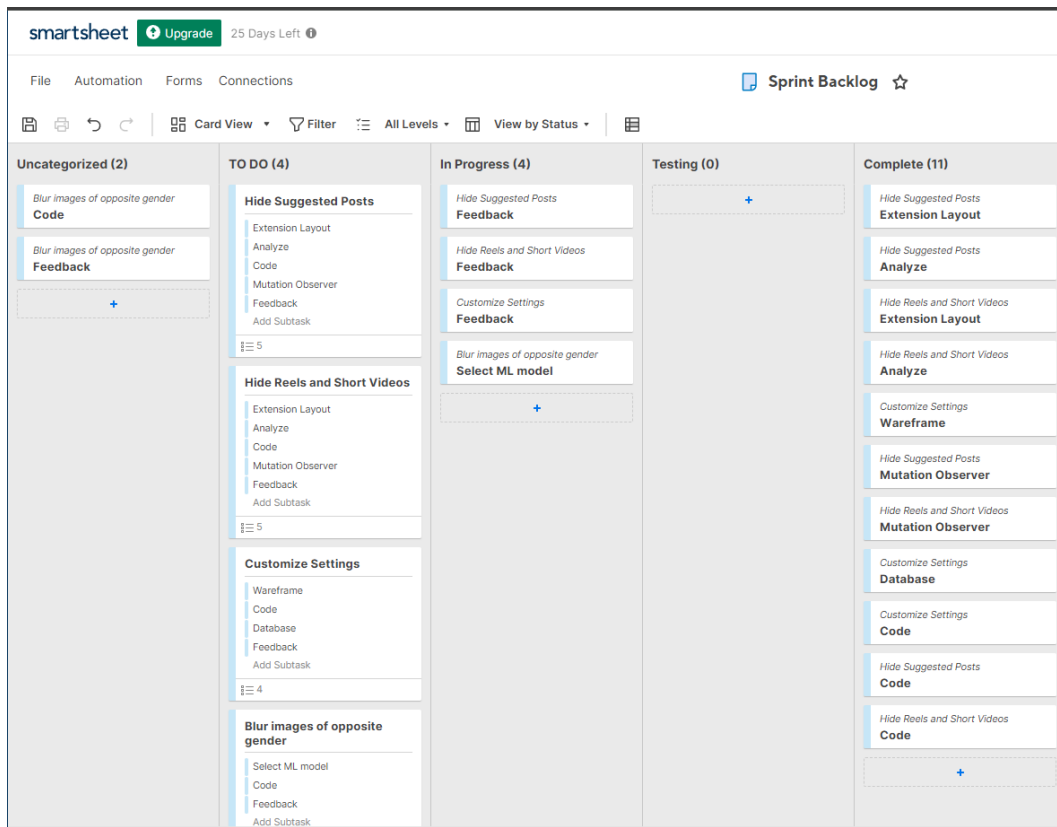


Figure 2.9: Day-07

2.10 Final Scrum Board

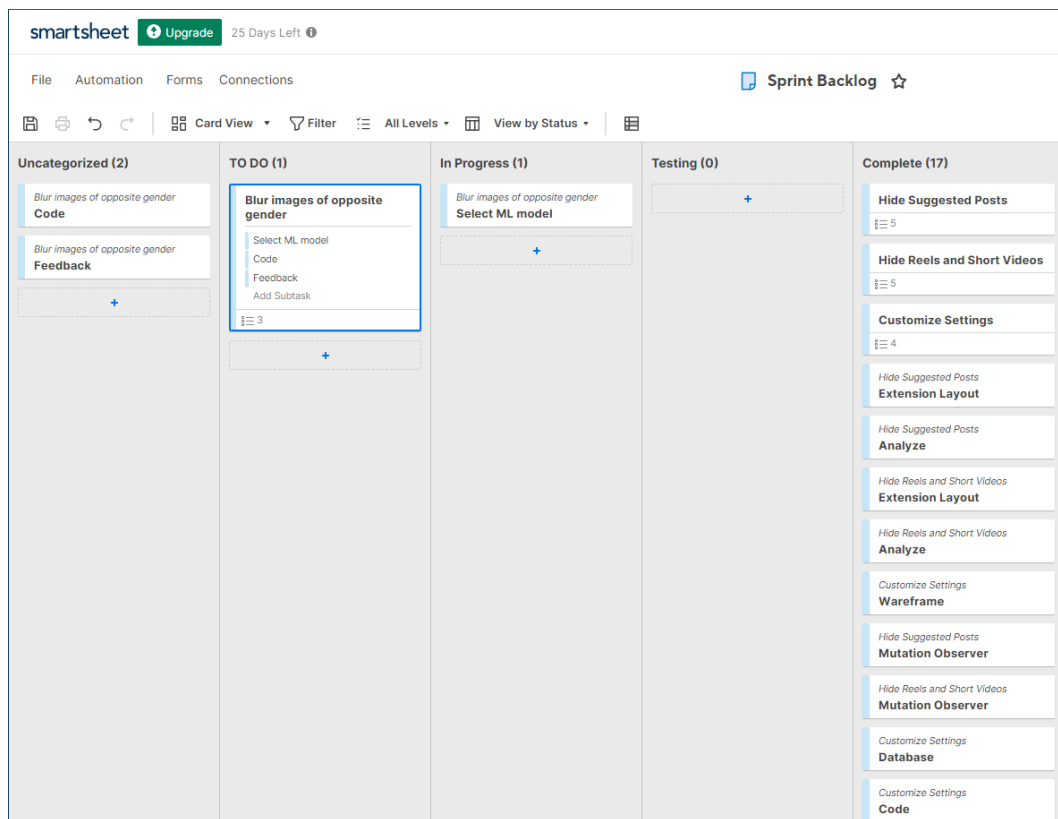


Figure 2.10: Final Scrum Board

Chapter 3

Sprint Review

3.1 Sprint Goal

The main goal of this sprint was to implement the Hide Suggested Posts Functionalities and Hide Reels and Short Videos functionalities. Besides implement the Blur images of opposite genders functionalities.

3.2 Progress Update

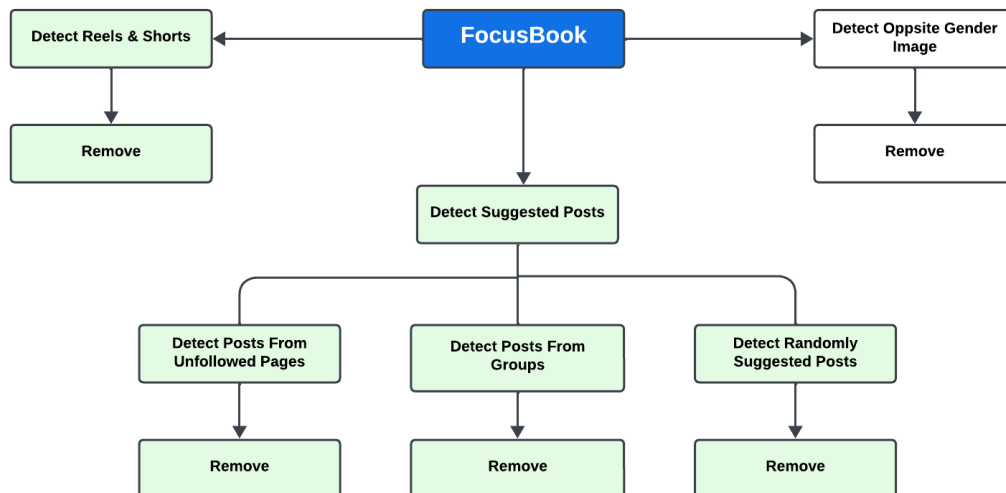


Figure 3.1: Sprint Review

We did implement the Hide Suggested Posts Functionalities and Hide Reels and Short Videos functionalities but unfortunately could not implement the

Blur images of opposite genders functionalities. It will go back in the product backlog.

Chapter 4

Retrospective Report

4.1 What went well

1. Collaboration within the team was excellent. Team members actively communicated and supported each other throughout the sprint.
2. Daily stand-up meetings were effective in keeping everyone informed about the progress.
3. Our work distribution was good and it helped us to meet the sprint objective comfortably.
4. The introduction of pair programming sessions helped in improving code quality and knowledge sharing among team members.

4.2 What didn't

1. One of the members took a long time to upload his work in the GitHub causing others to wait for him.
2. While implementing the UI part, one member used local Database instead of global Database this caused some problems initially.
3. We could not finish all the committed items during the sprint.

4.3 How the team can improve in the next sprint

1. Tasks can be more manageable to meet sprint goals.
2. Proactively identify and address potential external dependencies at the beginning of the sprint to minimize their impact on the team's productivity.
3. Implement stricter code review processes to catch and resolve issues earlier in the development cycle, reducing the number of bugs in the final deliverables.
4. Allocate time for knowledge-sharing sessions or workshops to address any gaps in skills or understanding among team members.