
Easify

Team - 3

- Neeraj Kulkarni
- Janvi Ramani
- Anvai Patil
- Dhruvil Shah
- Varun Patel

Guided By
Professor Henry Wong

Agenda



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- Problem Statement
- Project Description
- Personas



Technologies and Design

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Sprint 6 recap & Sprint 7

- Sprint Backlog
- Test Cases
- Burndown Chart
- Velocity Chart
- Completed Committed Ratio
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Retrospective



Future work

- Sprint 8 - Sprint Backlog



Neeraj Kulkarni
Backend Developer



Janvi Ramani
Backend Developer



Anvai Patil
Frontend Developer



Dhruvil Shah
Cloud Engineer



Varun Patel
Full Stack Developer

Problem Statement

Using current scrum application , we can see that there can be end date failure in which people fail to finish the project. There can be situation such that people can be cooperative or committed.

Sometimes daily meetings can frustrate team members and they do not like to perform daily meetings.

Using the remote or onsite project, there can be situation such that one person transfer to another company in middle of project. In this situation, it is difficult to complete project and group will have negative impact.

Project Description

Easify Overview

We are designing an application called Easify. Easify is an application that helps you manage scrum-based projects easily and effectively.

To manage the project, Easify will provide Product Backlog management and Sprint Backlog management features. In addition, users can use Easify's Share Images and Chat features to share each other work and thoughts.

The Calendar feature is there so that users can plan their work. Users can use the Activity Map feature to understand the project workflow and estimate the users' workflow.

Personas

Persona - 1:



Name: John

Age: 45

Post: Product Owner

Currently, John is working from home as the owner of the product developed by the team. He is 45 years old and he has a family. It is his duty to ask the scrum master about the progress of the product. It is his responsibility to maintain the system and to determine if the product design will be completed on time. Easify gives him the ability to see the progress and track the work of his team. He can offer suggestions right away through this tool.

Persona-2:



Name: David

Age: 35

Post: Scrum Master

David manages a team of five people. The team isn't located in one city, so offline meetings are impossible. With Easify, he can view the progress of tasks and see the daily or weekly report. Additionally, he can prioritize the task so it can be worked on by the development team.

Persona-3



Name: Olivia

Age: 29

Post: Developer

Olivia is part of a team. She needs to develop a system and report daily to the scrum master. She wants to maintain unity and support within the team. Team members can ask for help from one another. Using Easify, users can share the resources instantly and they don't even have to wait. The app lets them chat and share all the work and discuss their problems. Through this app, they can test and can provide the feedback to programmer.



MVP



Authentication

Register - Login - Logout

Users can Register in the system by entering name, email and password. They can login into the system by entering correct email and password. Users can Log out from the system.



Project

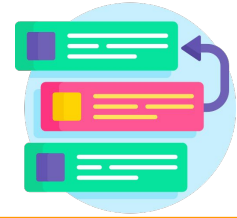
Creation - Settings

Users can create projects by giving unique name and selecting project profile photo. Users can share the projects with other members.



Product Backlog

Users can add items to their product backlog. They can modify the item's type, priority and sprint. Users can also delete the backlog item from the product backlog.

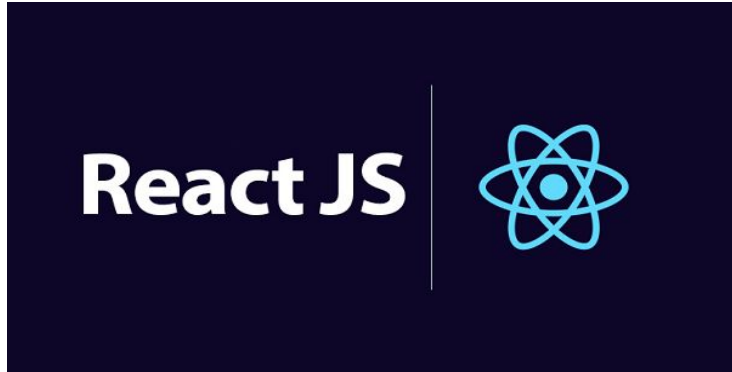


Sprint - Sprint Backlog

Users can create sprint by giving name and duration. They can add items from product backlog to sprint backlog. Users can also delete the sprint backlog item or also can delete the sprint.

Technologies and Design

Technologies - Front-end



React JS is a front-end JavaScript library for building user interfaces based on UI components. React allows us to create reusable UI components.

HTML, CSS and JavaScript work together to form the front-end design of a website by applying information that affects content, style and interactivity of a site.



Technologies - Back-end



Laravel is a back-end PHP-based framework. It's an entirely server-side framework that manages data with the help of Model-View-Controller (MVC) design.



PHP is known as a general-purpose scripting language. It was among the first server-side languages.



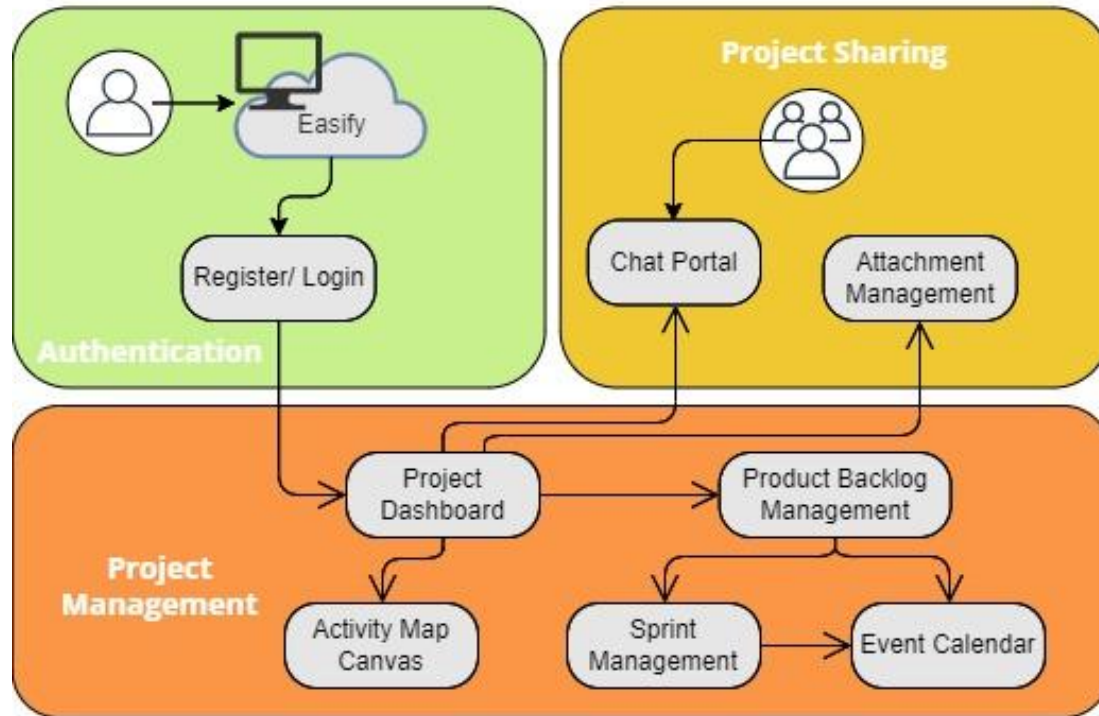
SQLite DB Browser is a high quality, visual tool to create, design, and edit database files compatible with SQLite.

Technologies - Cloud

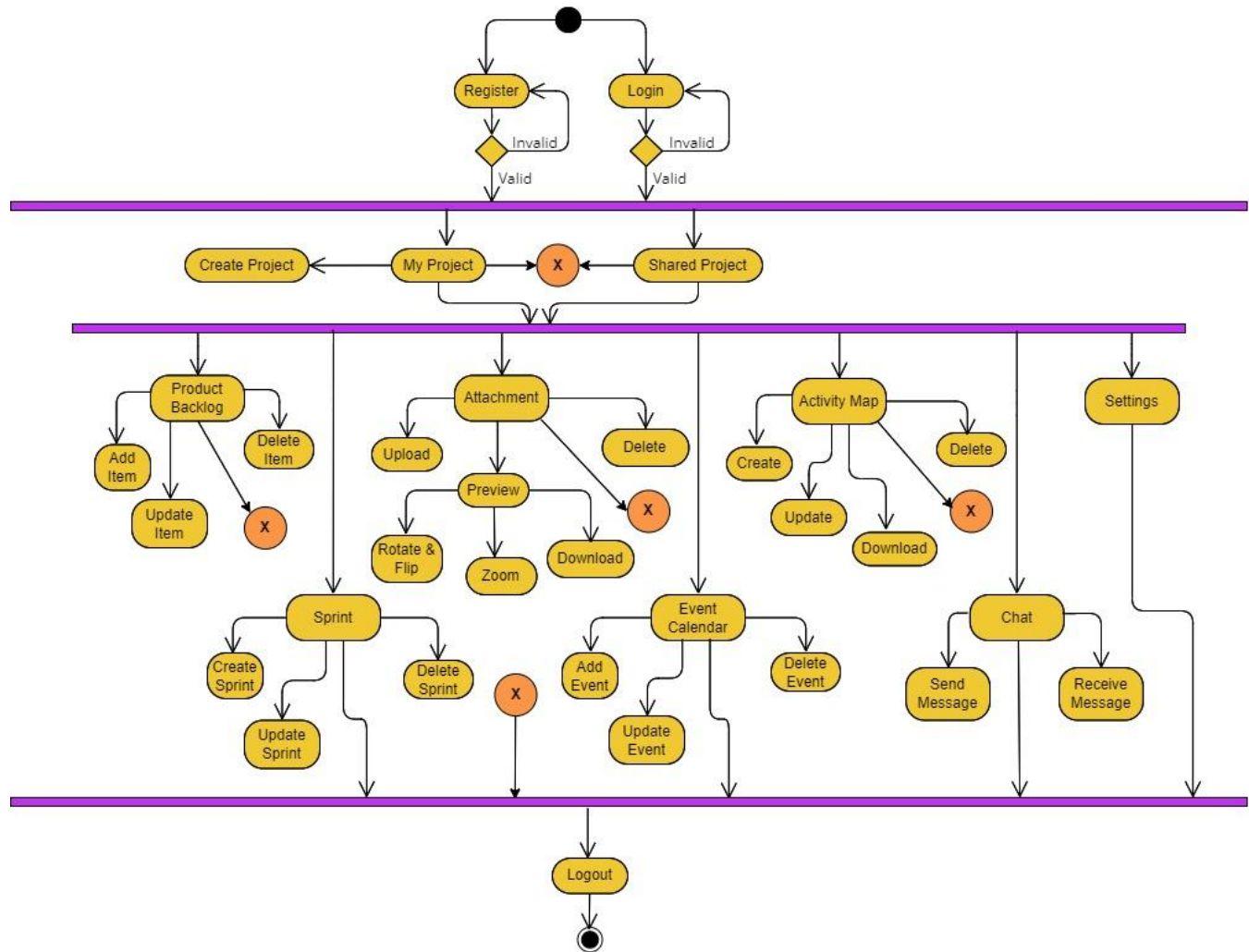


Amazon Simple Storage Service (Amazon S3) is a service offered by Amazon Web Services (AWS) that provides object storage through a web service interface. It offers scalability, data availability, security, and performance.

Architecture



Activity Diagram



Sprint 6 Recap



Sprint - 6: User Stories

Total 22 Story Points

User Story: As a developer or creator, I want to be able to upload the images so that I can save my outcome or a problem

Acceptance Criteria: Given developer or creator is on attachment screen, when user click on upload image and try to upload image from personal device, then system should accept image files

EAS-70
Points - 3

User Story: As a developer or creator, I want to be able to see the images uploaded by me or other members so that I can see which photos are uploaded

Acceptance Criteria: Given developer or creator is on attachment screen, then system should display the files uploaded by all project members

EAS-71
Points - 2

User Story: As a developer or creator, I want to be able to perform some operations (like fullscreen preview, rotate, zoom in-out, flip, download) on the images so that I can perform these operations within the system itself

Acceptance Criteria:

- Given developer or creator is on attachment screen, when user click on the full screen mode, then system should display the image full screen
- Given developer or creator is on attachment screen, when user click on the rotate or flip mode, then system should rotate or flip the image accordingly
- Given developer or creator is on attachment screen, when user click on the zoom in & out mode, then system should zoom the image accordingly
- Given developer or creator is on attachment screen, when user click on the download button, then system should download the image.

EAS-72
Points - 5

User Story: As a developer or creator, I want to be able to delete the uploaded images so that I can remove unnecessary/wrong photos

Acceptance Criteria: Given developer or creator is on attachment screen, when user click on the delete image, then system should delete the image from the database

EAS-73
Points - 2

Sprint - 6: User Stories Continue

Total 22 Story Points

User Story: As a product owner or scrum master or creator, I want to be able to create user activity map for the project so that I can understand the user activities better

Acceptance Criteria:

- Given product owner or scrum master or creator is on activity map screen, when user click on create node for the activity map, then system should create the node
- Given product owner or scrum master or creator is on activity map screen, when user connects the nodes for the activity map, then system should connects the node

EAS-74
Points - 5

EAS-76
Points - 2

User Story: As a product owner or scrum master or creator, I want to be able to download user activity map so that I can share it with other people

Acceptance Criteria: Given product owner or scrum master or creator is on activity map screen, when user click on download activity map, then system should download the activity map

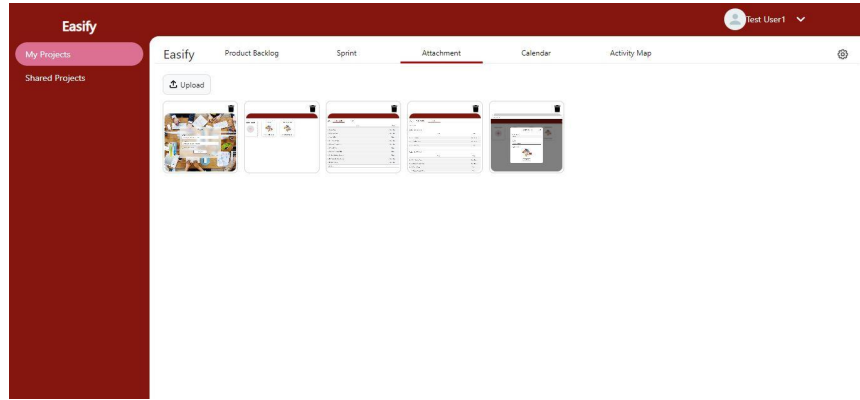
User Story: As a product owner or scrum master or creator, I want to be able to edit/ delete user activity map so that I can modify the user activities

Acceptance Criteria:

- Given product owner or scrum master or creator is on activity map screen, when user edit the node or edge, then system should modify the node or edges details in database
- Given product owner or scrum master or creator is on activity map screen, when user delete the node or edge, then system should delete the node and connected edges from the database

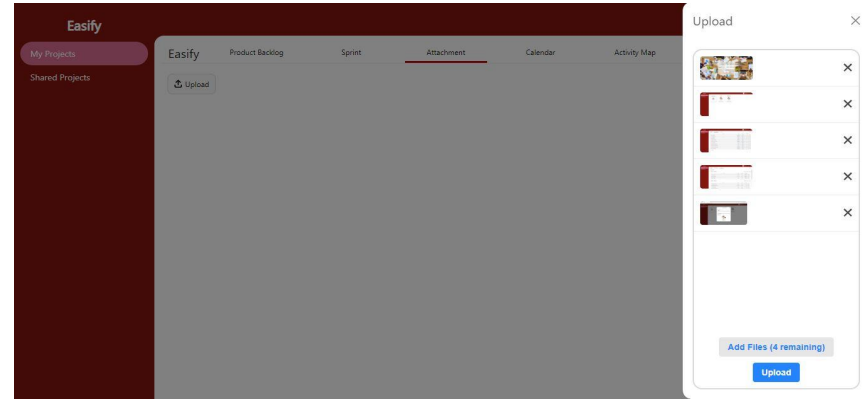
EAS-75
Points - 3

Sprint - 6: Results



Attachment Page

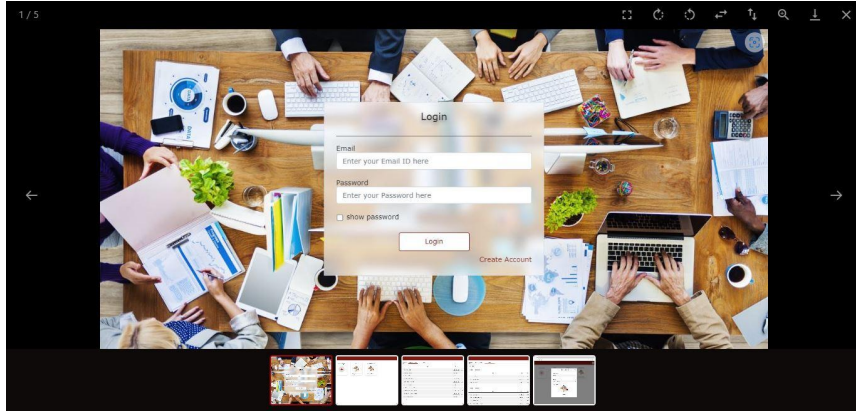
Users can see the uploaded photos by projects members. Also can delete the photo.



Attachment Page - Upload Dropzone

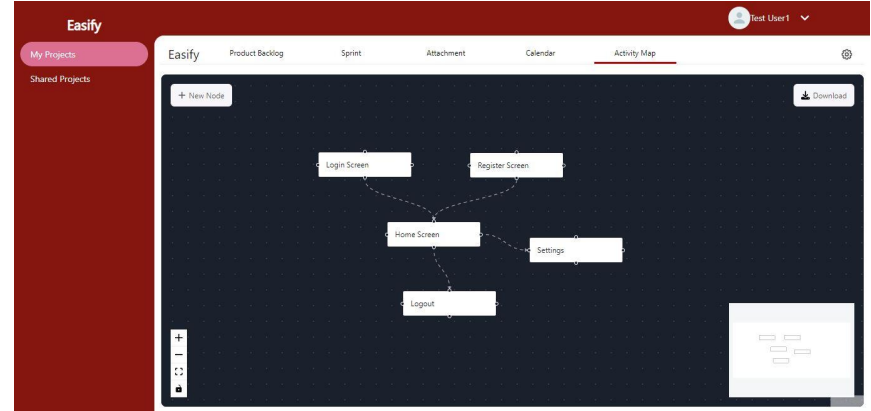
Users can drop or browse the photos in the right side dropzone. Max file limit is 9 files. Users can also cancel the uploading of each photo.

Sprint - 6: Results Continue



Attachment Page - Photo Preview

Users can preview the photos and also can rotate, flip horizontally-vertically, zoom in & out and download the photo.



Activity Map Page

Users can create activity maps for their projects. They can also zoom in & out and download the activity map.

Sprint 6

- Completed feature: Attachment, Activity Map
- Attachment feature:
 - Easify users can upload the photos to Easify and can preview them
 - Other project members can see the photos and also download it
- Activity Map feature:
 - Easify users can create activity maps for their projects and can also download them

Sprint 7

- Completed feature: Chat
- New design
- We developed the frontend and backend for the Chat feature
 - Easify will create a chat group while creating the project
 - Easify users can chat with project members
 - Each project has its own chat screen
- Easify users can now open any feature by going to feature's unique url

Improvement from the Professor's Feedback

- 1) Change the Architecture diagram. Example is given by the professor
- 2) Write Product backlog in table format with user story id
- 3) Put Sprint backlog slide above the Committed and Completed User Stories
- 4) In sprint backlog, do not show subtasks
- 5) For future sprint, show the sprint backlog

Product Backlog

ID	Feature	Item	Priority	Sprint	Status
EAS-87	Chat	As a product owner or scrum master or developer or creator, I want to be able to see the chat group for the projects so that I can chat with others about the project	Mid	Sprint 7	Done
EAS-88	Chat	As a product owner or scrum master or developer or creator, I want to be able to send messages in project group so that I can notify others about tasks or bugs	Mid	Sprint 7	Done
EAS-89	Chat	As a product owner or scrum master or developer or creator, I want to be able to receive the messages from project group so that we can interact with each other and keep track of the work	Mid	Sprint 7	Done
EAS-90	Chat	As a product owner or scrum master or developer or creator, I want to be able to see the previous messages of project chat group so that I can see the previously discussed things on the project chat group	Mid	Sprint 7	Done
EAS-2	Register	As a new user, I want to be able to receive authentication email so that the system can authenticate me	Mid	Sprint 8	To Do
EAS-4	Login	As a registered user, I want to be able to request for change the password if I forgot it so that I don't lose my account and data	Mid	Sprint 8	To Do
EAS-6	Profile Settings	As a user, I want to be able to edit my details such as name and profile photo so that I can edit my profile	Low	Sprint 8	To Do
EAS-7	Profile Settings	As a user, I want to be able to change my password so that I can keep my account secure	Low	Sprint 8	To Do
EAS-13	Project Settings	As a creator of the project, I want to be able to change the project profile photo, so that I can update project photo	Mid	Sprint 8	To Do

Sprint 7



Sprint - 7: Sprint Backlog

ID	Item	Priority	Story Points	Status
EAS-87	As a product owner or scrum master or developer or creator, I want to be able to see the chat group for the projects so that I can chat with others about the project	Mid	3	Done
EAS-88	As a product owner or scrum master or developer or creator, I want to be able to send messages in project group so that I can notify others about tasks or bugs	Mid	8	Done
EAS-89	As a product owner or scrum master or developer or creator, I want to be able to receive the messages from project group so that we can interact with each other and keep track of the work	Mid	8	Done
EAS-90	As a product owner or scrum master or developer or creator, I want to be able to see the previous messages of project chat group so that I can see the previously discussed things on the project chat group	Mid	2	Done
EAS-91	Redesign the UI	Mid	NA	Done
EAS-92	Research about different chat libraries supporting ReactJs	High	NA	Done
EAS-93	Integrate Chat Screen with Project screens and Backend APIs	High	NA	Done
EAS-94	Testing for Sprint - 7	Mid	NA	Done
EAS-95	Create presentation for Deliverable - 7	Low	NA	Done
EAS-96	Create presentation video and demo video for Deliverable - 7	Mid	NA	Done
EAS-97	Update Tech Paper	Low	NA	Done
EAS-98	Update Github Wiki page	Low	NA	Done

Sprint - 7: Committed and Completed User Stories

User Story: As a product owner or scrum master or developer or creator, I want to be able to see the chat group for the projects so that I can chat with others about the project

Acceptance Criteria: Given product owner or scrum master or developer or creator is on Chat screen, then system should display the project group

EAS-87
Points - 3

EAS-88
Points - 8

User Story: As a product owner or scrum master or developer or creator, I want to be able to send messages in project group so that I can notify others about tasks or bugs

Acceptance Criteria: Given product owner or scrum master or developer or creator is on Chat screen, when user type any message and click on send, then system should send the messages to project group

User Story: As a product owner or scrum master or developer or creator, I want to be able to receive the messages from project group so that we can interact with each other and keep track of the work

Acceptance Criteria: Given product owner or scrum master or developer or creator is on Chat screen, when other user send any message, then system should display the new message to the current logged-in user

EAS-89
Points - 8

EAS-90
Points - 2

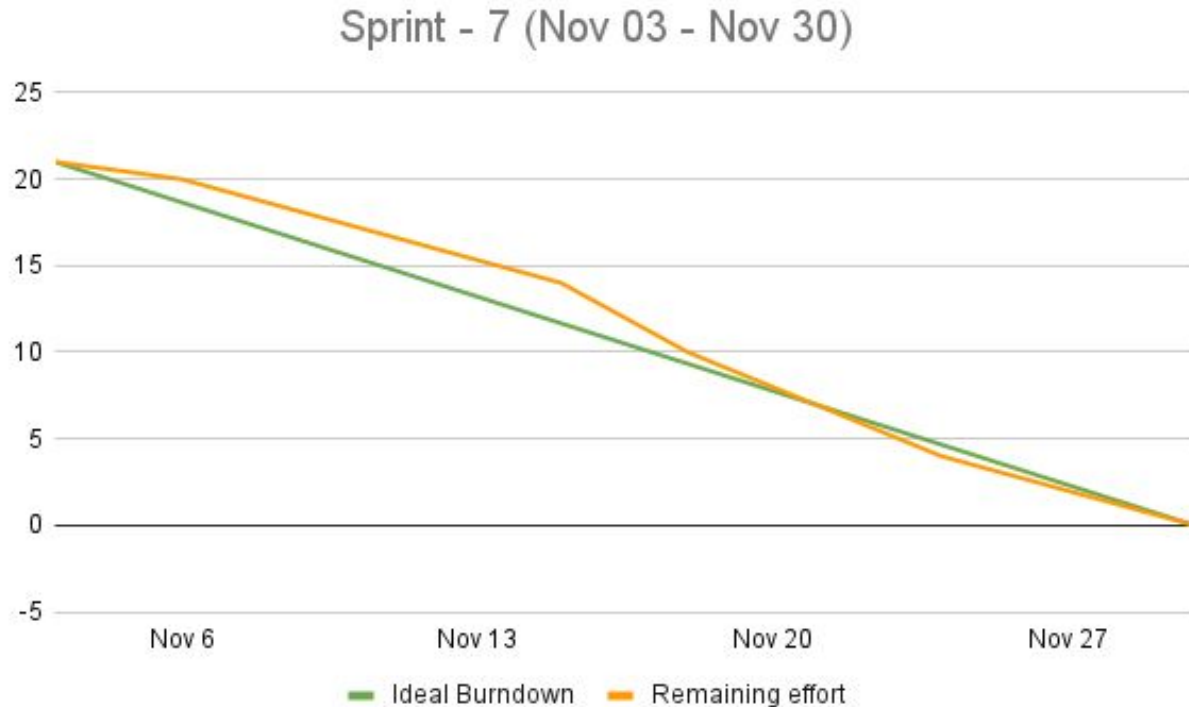
User Story: As a product owner or scrum master or developer or creator, I want to be able to see the previous messages of project chat group so that I can see the previously discussed things on the project chat group

Acceptance Criteria: Given product owner or scrum master or developer or creator is on Chat screen, when user open the chat screen, then system should display all the messages which are send by the user or others

Sprint - 7: Test Cases

ID	User Story ID	Feature	Test Case	Expected Output	Actual Outcome	Status
EAST-42	EAS-87	Chat	User wants to see the project chat group	User should be able to see the project chat group	User is able to see the project chat group	Pass
EAST-43	EAS-88	Chat	User wants to send the message in chat group	User should be able to send the message in chat group	User is able to send the message in chat group	Pass
EAST-44	EAS-89	Chat	User wants to receive the message from other members	User should be able to receive the message from other members	User is able to receive the message from other members	Pass
EAST-45	EAS-90	Chat	User wants to see the previous discussions of chat group	User should be able to see the previous discussions of chat group	User is able to see the previous discussions of chat group	Pass
EAST-46	EAS-91	New Design	User wants to open and close the side panel based on the screen size	User should be able to open and close the side panel	User is able to open and close the side panel	Pass
EAST-47	EAS-91	New Design	User wants to open the projects subpages by unique URL	User should be able to open the projects subpages by unique URL	User is able to open the projects subpages by unique URL	Pass

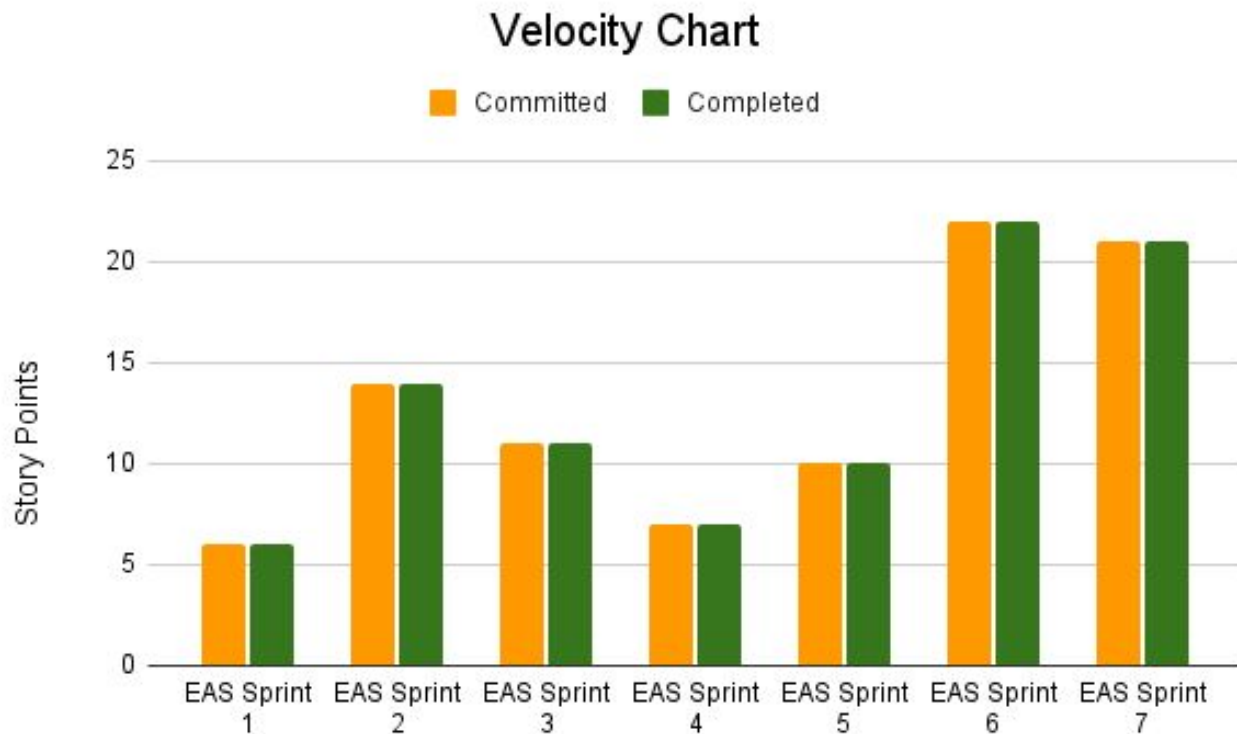
Sprint - 7: Burndown Chart



Velocity

Average Velocity

$$= (6+14+11+7+10+22+21)/7$$
$$= 13.00$$



Completed Committed Ratio

Sprint	Committed	Completed	Ratio
EAS Sprint 1	6	6	100.00%
EAS Sprint 2	14	14	100.00%
EAS Sprint 3	11	11	100.00%
EAS Sprint 4	7	7	100.00%
EAS Sprint 5	10	10	100.00%
EAS Sprint 6	22	22	100.00%
EAS Sprint 7	21	21	100.00%

Average Completed Committed
Ratio = 100.00%

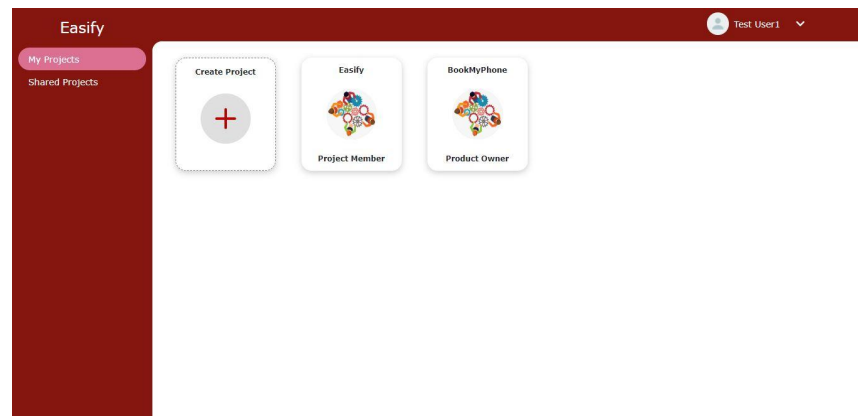
Current Completed Committed
Ratio (Sprint 7) = 100.00%

Sprint - 7: Results



New Design My Project/ Shared Project Page

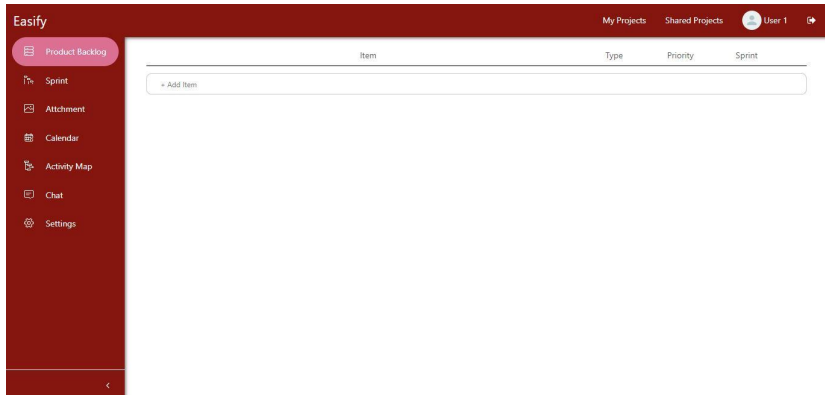
Now users can access the "My Project" and "Shared Project" from the header. Side Panel is removed from the new design.



Old Design My Project/ Shared Project Page

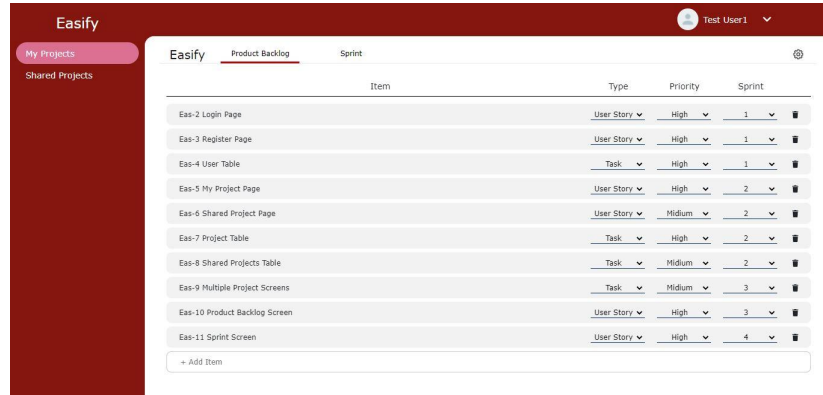
In old design, we have side panel for the My Project and Shared Project Page.

Sprint - 7: Results Continue



New Design of Project Subpages

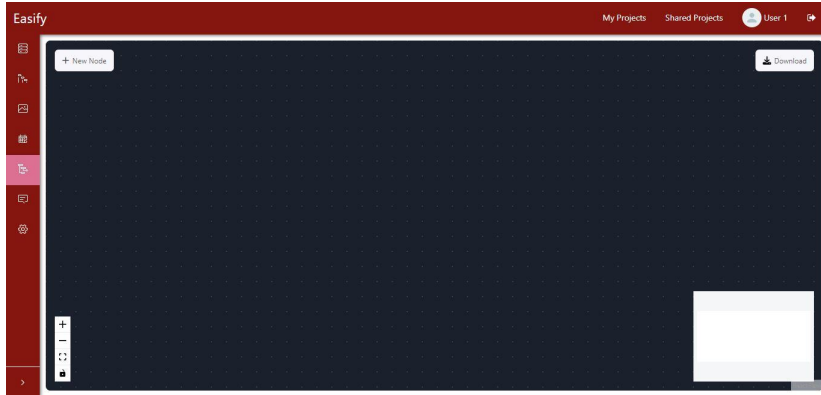
Now users can access all the subpages from the side panel.



Old Design of Project Subpages

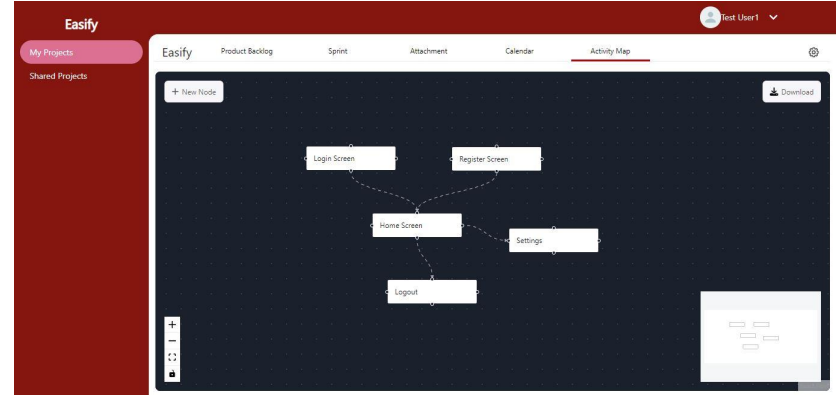
In old design, we have tabs for each subpages. We have removed those.

Sprint - 7: Results Continue



New design of Side Panel

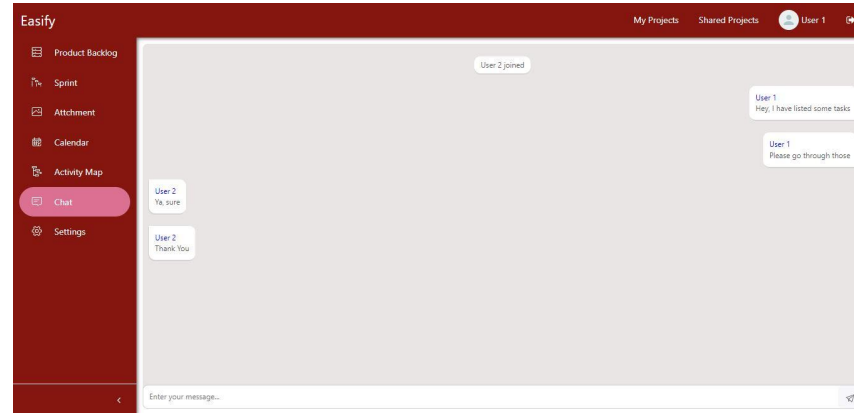
In new design, the side panel is collapsible. So that users can open and close the panel based on their screen size and preferences.



Old design of Side Panel

In old design, side panel was static, not collapsible.

Sprint - 7: Results Continue



Project Chat Page

Users can chat with shared members. Each project has its own chat screen.

Retrospective

What went well

- Speeding up the research to keep up according to the schedule
- Successfully implemented the professor's feedback

What can be improved

- Team has to improve the knowledge on technologies and frameworks
- All should know the deadlines and schedule

Action items

- Focus on the deliverable deadlines

Sprint - 8

ID	Item	Priority	Status
EAS-2	As a new user, I want to be able to receive authentication email so that the system can authenticate me	Mid	To Do
EAS-4	As a registered user, I want to be able to request for change the password if I forgot it so that I don't lose my account and data	Mid	To Do
EAS-6	As a user, I want to be able to edit my details such as name and profile photo so that I can edit my profile	Low	To Do
EAS-7	As a user, I want to be able to change my password so that I can keep my account secure	Low	To Do
EAS-13	As a creator of the project, I want to be able to change the project profile photo, so that I can update project photo	Mid	To Do
EAS-99	Integrate Authentication page with Register and Login screen and backend APIs	Mid	To Do
EAS-100	Integrate Profile Settings with main UI	Mid	To Do
EAS-101	Integrate Project Settings with project screens and backend APIs	Mid	To Do
EAS-102	Redesign the UI and redirections	Low	To Do

Group Wiki

<https://github.com/DV192/Stonecrusher/wiki>





Thank You

