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# Easify

Team - 3

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# Agenda



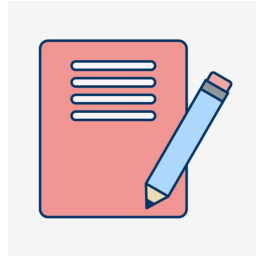
## Introduction

- Overview
- Personas



## Technologies and Design

- Front-end
- Back-end
- Design Architecture
- Activity Diagram



## Sprint 1-4

- Sprint Backlog
- Test Cases
- Burndown Chart
- Results



## Retrospective



- Conclusion
- Future Work

# Introduction

## 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 Charts 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

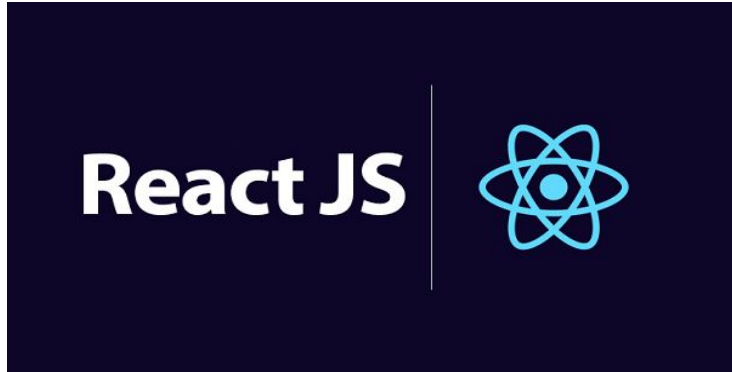
Olivia is part of a team. She needs to develop a system and report daily to the scrum master. She wants to maintain unity and support within the team. Team members can ask for help from one another. Using Easify, users can share the resources instantly and they don't even have to wait. The app lets them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

# 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.

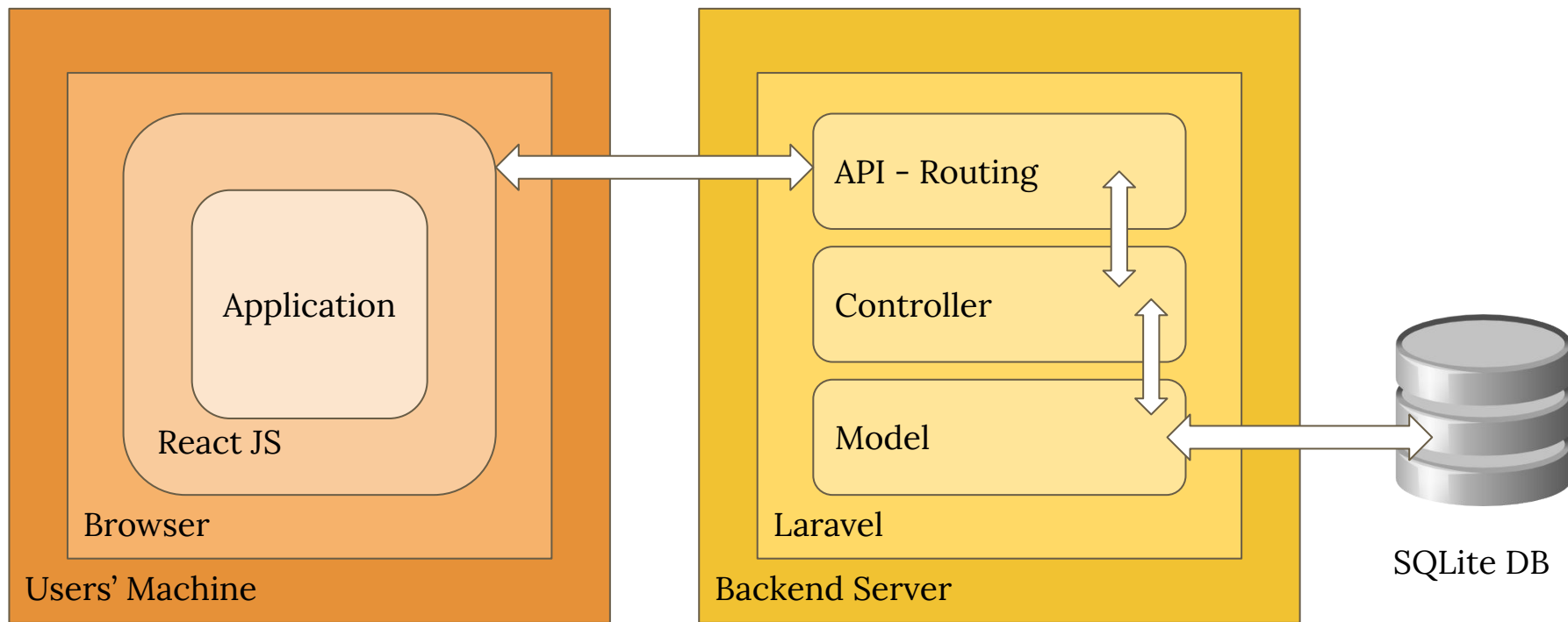


PHP is known as a general-purpose scripting language. It was among the first server-side languages.

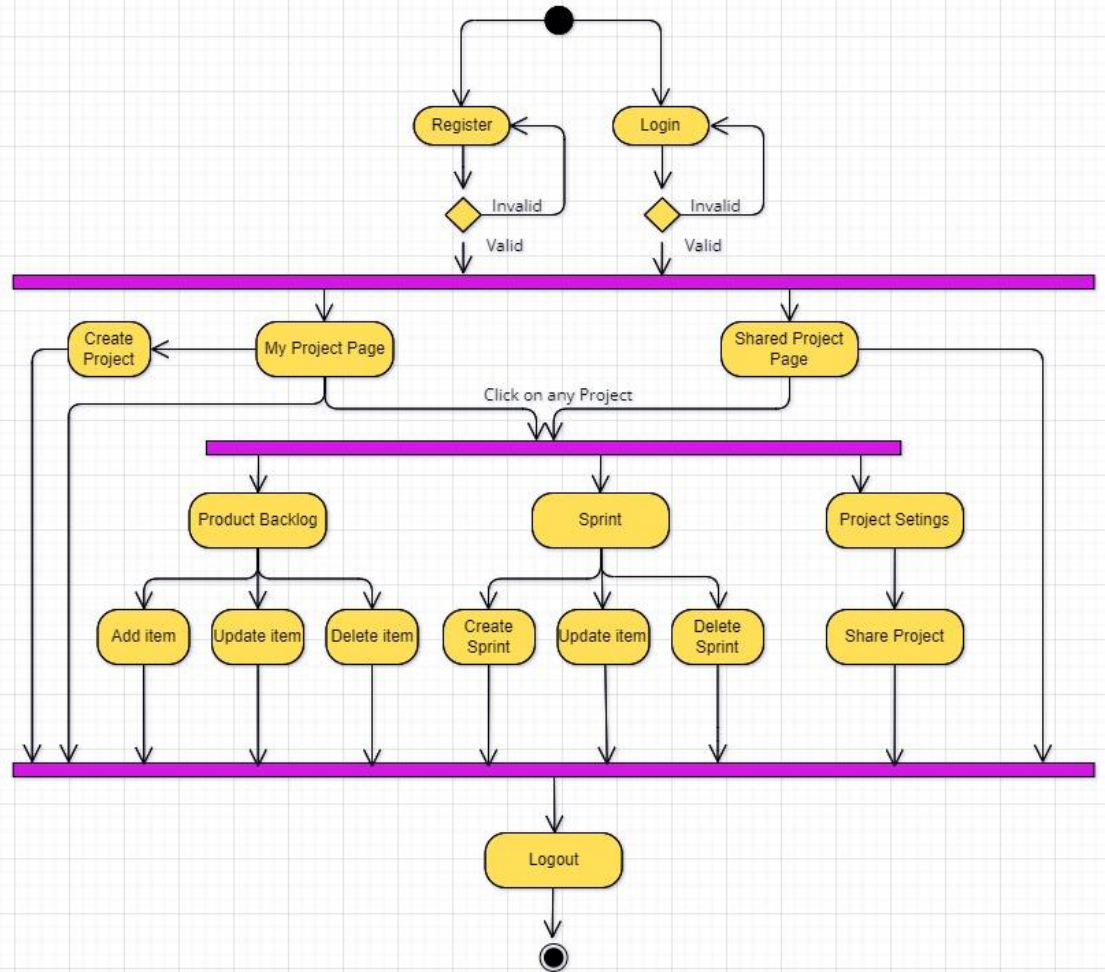


SQLite DB Browser is a high quality, visual tool to create, design, and edit database files compatible with SQLite.

# Design Architecture



# Activity Diagram



# Sprint 1-4



# Sprint - 1 (Feb 19 - March 09)

**Total 6 Story Points**

ID	Type	Item	Priority	Story Points	Status
EAS-29	Task	Research for project topics	High	NA	Done
EAS-30	Task	Study different tools and technologies for project	Medium	NA	Done
EAS-31	Task	Create Deliverable - 1 presentation	Medium	NA	Done
EAS-32	Task	Create Deliverable - 1 video	Medium	NA	Done
EAS-1	User Story	As a new user, I want to register my self so that I can create an account	High	3	Done
EAS-33	Sub-Task	Design backend register API and controllers to validate registration data	High	NA	Done
EAS-34	Sub-Task	Develop Register Page UI and integrate with backend	High	NA	Done
EAS-3	User Story	As a registered user, I want to login into the system with my email and password so that I can navigate to system's home screen	High	2	Done
EAS-35	Sub-Task	Design backend login API and controllers to validate login data	High	NA	Done
EAS-36	Sub-Task	Develop Login Page UI and integrate with backend	High	NA	Done
EAS-5	User Story	As a user, I want to be able to logout from the system so that I can end my session	High	1	Done
EAS-37	Task	Create new table in database for user information	High	NA	Done
EAS-38	Task	Create Wiki Page and upload the Deliverable 1 documents	Medium	NA	Done

# Sprint - 1: Test Cases

User Story ID	Feature	Test Case	Expected Output	Actual Outcome	Status
EAS-1	Register	On register page, all required details are filled and correct	User should be able to Register	User is able to Register	Pass
EAS-1	Register	On register page, any required details is blank	Error message should be display	System display the error message and user is not able to register	Pass
EAS-1	Register	Password requirement does not meet	Error message should be display	System display the error message and user is not able to register	Pass
EAS-1	Register	Email id already existed	Error message should be display	System display the error message and user is not able to register	Pass
EAS-3	Login	On login page, All required details are filled and correct	User should be able to Login	User is able to Login	Pass
EAS-3	Login	On login page, Any required details is blank	Error message should be display	System display the error message and user is not able to login	Pass
EAS-3	Login	Wrong Password	Error message should be display	System display the error message and user is not able to login	Pass
EAS-3	Login	Email id doesn't exist	Error message should be display	System display the error message and user is not able to login	Pass
EAS-5	Logout	User clicks on logout button	User should be able to Logout from the system	User is able to logout from the system and system is redirecting to the login page	Pass

# Sprint - 1: Burndown Chart

## Week 1

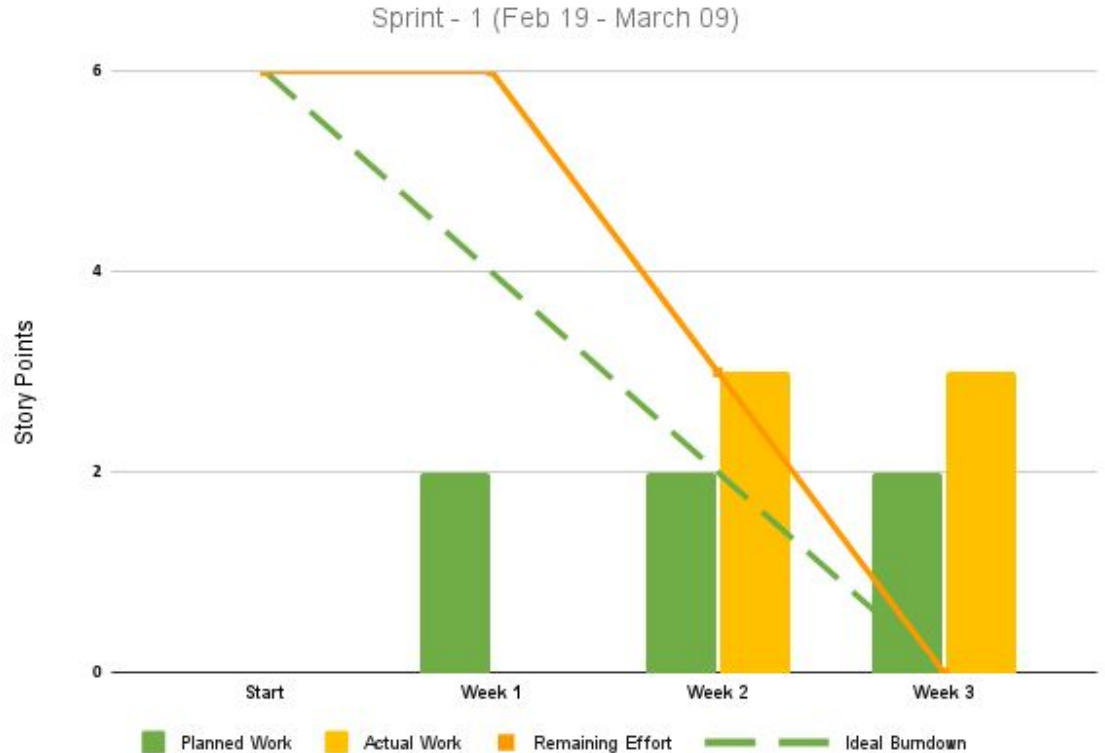
No User Story

## Week 2

1 User Story EAS-1 (SP 3)

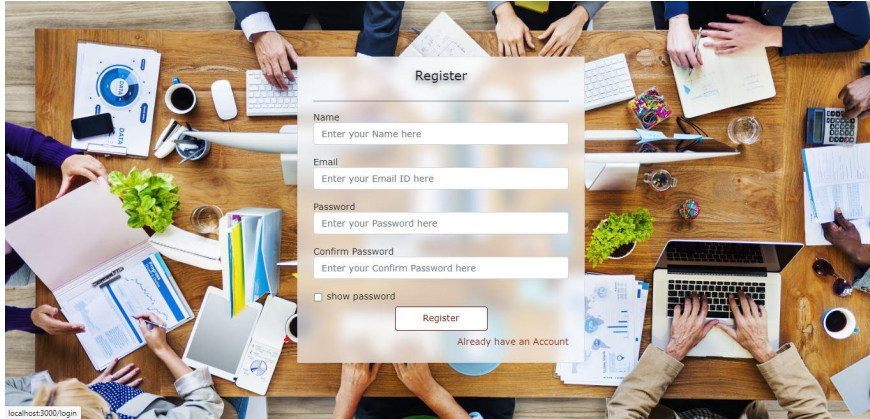
## Week 3

2 User Stories EAS-3 (SP 2), EAS-5 (SP 1)

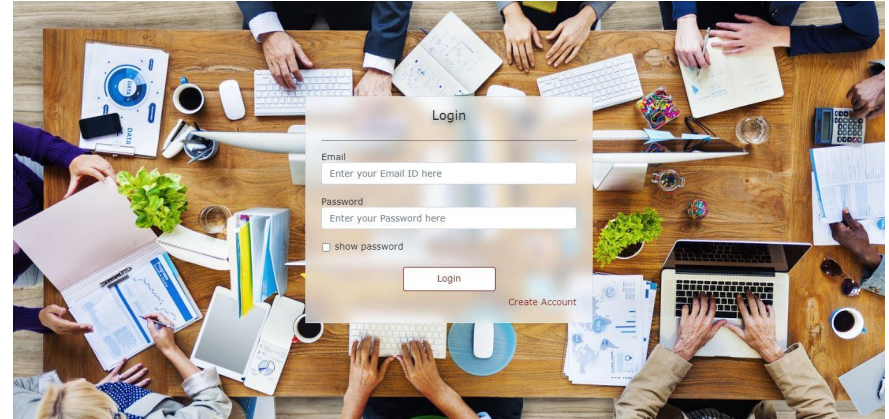




# Sprint - 1: Results



Screenshots of the Register Page



Screenshots of the Login Page

# Sprint - 2 (March 10 - March 30)

**Total 14 Story Points**

ID	Type	Item	Priority	Story Points	Status
EAS-9	User Story	As a creator of projects, I want to be able to see the projects that I have created so that I can start working on my projects	High	3	Done
EAS-39	Sub-Task	Develop My Project Page	High	NA	Done
EAS-10	User Story	As a member of any project, I want to be able to see the projects which are shared with me so that I can see the project details for my work	High	3	Done
EAS-40	Sub-Task	Develop Shared Project Page	High	NA	Done
EAS-11	User Story	As a user, I want to create a project so that I can start the work of the product	High	2	Done
EAS-12	User Story	As a creator of the project, I want to be able to share the project with other users so that they can see the project details	High	5	Done

# Sprint - 2 Continue

ID	Type	Item	Priority	Story Points	Status
EAS-41	Sub-Task	Develop Project Settings Page	High	NA	Done
EAS-14	User Story	As a creator of the project, I want to be able to set the roles of shared users so that all can know each others roles	Medium	1	Done
EAS-42	Task	Create new table for project information	High	NA	Done
EAS-43	Task	Design backend APIs and controllers to create and validate project data	High	NA	Done
EAS-44	Task	Integrate pages with backend	High	NA	Done
EAS-45	Task	Create presentation for Deliverable - 2	Medium	NA	Done
EAS-46	Task	Create video for Deliverable - 2	Medium	NA	Done
EAS-47	Task	Update Github Wiki page	Medium	NA	Done

# Sprint - 2: Test Cases

User Story ID	Feature	Test Case	Expected Output	Actual Outcome	Status
EAS-9	Project View	User is on my project page	User should be able to see all the projects that he/ she created	User is able to see the projects that he/ she created	Pass
EAS-10	Project View	User is on shared project screen	User should be able to see all the projects which are shared with him/ her	User is able to see all the projects which are shared with him/ her	Pass
EAS-11	Project Creation	Created the project with unique name	Project should be created for the user	Project is created successfully	Pass
EAS-11	Project Creation	Name of the project already exists	Error message should be display	System does not allow to create a project with existing name and show the error message	Pass
EAS-12	Project settings	Share the project with required details	Project should be shared with other users	Project shared successfully	Pass
EAS-12	Project settings	Email not existed in shared project page	Error message should be display	System display the error message	Pass
EAS-14	Project settings	User set the role of shared user	Shared users details should be updated in database	Database updated successfully	Pass
EAS-12, EAS-14	Project settings	User is not a creator of the project	User should not be able change project settings	System does not allow user to change the project settings	Pass

# Sprint - 2: Burndown Chart

## Week 1

2 User Stories EAS-9 (SP 3), EAS-10 (SP 3)

## Week 2

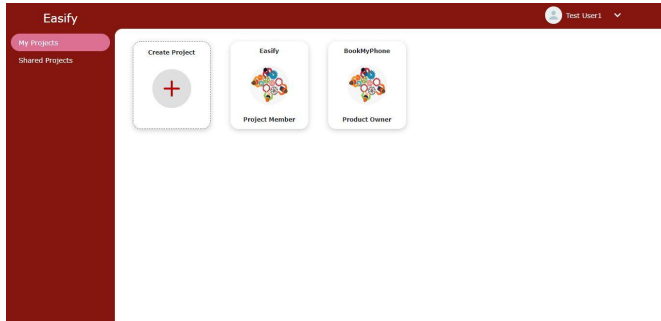
1 User Story EAS-11 (SP 2)

## Week 3

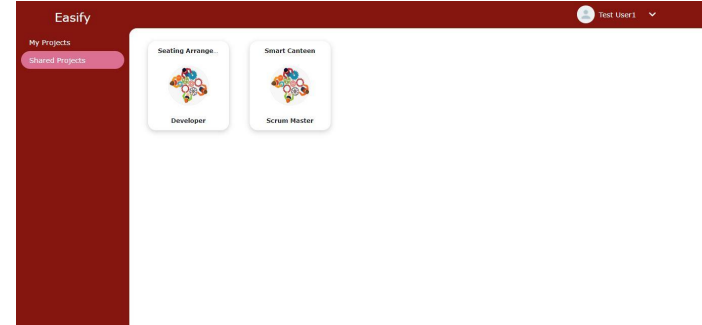
2 User Stories EAS-12 (SP 5), EAS-14 (SP 1)



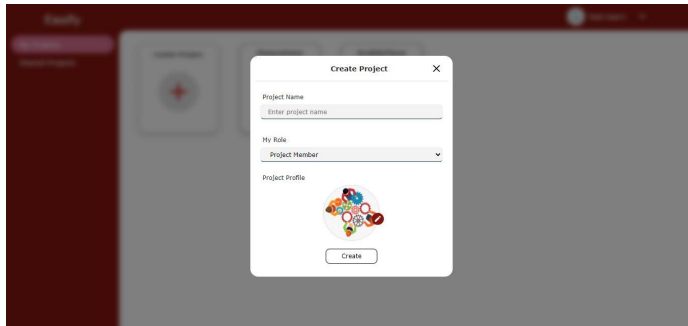
# Sprint - 2: Results



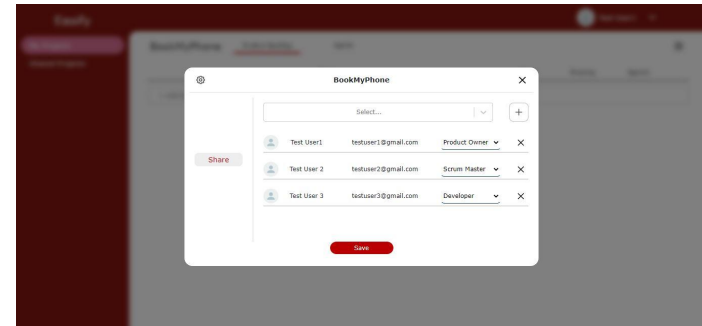
My Project Page



Shared Project Page



Create Project



Project Settings

# Sprint - 3 (March 31 - April 21)

**Total 11 Story Points**

ID	Type	Item	Priority	Story Points	Status
EAS-15	User Story	As a user, I want to be able to see the product backlog screen so that I can see the requirements of the project	High	5	Done
EAS-48	Sub-Task	Develop Product Backlog Page	High	NA	Done
EAS-16	User Story	As a creator of the project or product owner, I want to be able to add/ modify tasks into the backlog so that I can list out functionalities of the project	High	3	Done
EAS-17	User Story	As a creator of the project, I want to be able to change the task's priority (low, medium, high) so that other members can see the priorities	High	2	Done
EAS-18	User Story	As a scrum master or developer or creator of the project, I want to be able to change the task's type (User Story, Task, Bug) so that other members can see the type of the tasks	Medium	1	Done
EAS-49	Task	Create new table for backlog item information	High	NA	Done
EAS-50	Task	Design backend APIs and controllers to perform CRUD operations on product backlog data	High	NA	Done
EAS-51	Task	Integrate product backlog page with backend	High	NA	Done
EAS-52	Task	Create tech paper for Deliverable - 3	Medium	NA	Done
EAS-53	Task	Update Github Wiki page	Medium	NA	Done

# Sprint - 3: Test Cases

User Story ID	Feature	Test Case	Expected Output	Actual Outcome	Status
EAS-15	Product Backlog	User is on product backlog screen	User should be able to see the product backlog	User is able to see the product backlog page	Pass
EAS-16	Product Backlog	User entered details of the task and click add	Task should be added in the product backlog list	Users can see the newly added task	Pass
EAS-16	Product Backlog	User modify any details	Product backlog should be updated in database	Product backlog is updated in database and users can see the updated product backlog	Pass
EAS-17	Product Backlog	User is on product backlog screen to set priorities of the tasks	Priority of the task should be updated in database	User is able to change/ update the priority of the task	Pass
EAS-18	Product Backlog	User is on product backlog to set type of the task	Type of the task should be updated in database	User is able to change/ update the type of the task	Pass



# Sprint - 3: Burndown Chart

## Week 1

No User Story

## Week 2

2 User Story EAS-15 (SP 5), EAS-16 (SP 3)

## Week 3

2 User Stories EAS-17 (SP 2), EAS-18 (SP 1)



# Sprint - 3: Results

Easify

My Projects

Shared Projects

Easify

Product Backlog

Sprint

Item

Type

Priority

Sprint

Eas-2 Login Page	User Story	High	1	
Eas-3 Register Page	User Story	High	1	
Eas-4 User Table	Task	High	1	
Eas-5 My Project Page	User Story	High	2	
Eas-6 Shared Project Page	User Story	Medium	2	
Eas-7 Project Table	Task	High	2	
Eas-8 Shared Projects Table	Task	Medium	2	
Eas-9 Multiple Project Screens	Task	Medium	3	
Eas-10 Product Backlog Screen	User Story	High	3	
Eas-11 Sprint Screen	User Story	High	4	
+ Add Item				

Product Backlog Page

# Sprint - 4 (April 22 - May 5)

**Total 7 Story Points**

ID	Type	Item	Priority	Story Points	Status
EAS-19	User Story	As a scrum master or creator of the project, I want to be able to create the sprint and the sprint backlog so that I can identify the work for the sprint	High	3	Done
EAS-54	Sub-Task	Develop Sprint Page	High	NA	Done
EAS-20	User Story	As a scrum master or developer or creator of the project, I want to be able to add/ modify tasks to the sprint backlog so that I can list out the work for the sprint	High	3	Done
EAS-21	User Story	As a developer or creator of the project, I want to be able to change the task status (to do, in progress, done) so that other members can see the progress	High	1	Done
EAS-55	Task	Create new table for sprint information	High	NA	Done
EAS-56	Task	Design backend APIs and controllers to perform CRUD operations on sprint data	High	NA	Done
EAS-57	Task	Integrate sprint page with backend	High	NA	Done
EAS-58	Task	Create presentation for Deliverable - 4	Medium	NA	Done
EAS-59	Task	Create video for Deliverable - 4	Medium	NA	Done
EAS-60	Task	Create demo video of Easify	Medium	NA	Done
EAS-61	Task	Update Github Wiki page	Medium	NA	Done

# Sprint - 4: Test Cases

User Story ID	Feature	Test Case	Expected Output	Actual Outcome	Status
EAS-19	Sprint	User is on sprint page	User should be able to see the sprint backlog	User is able to see the sprints and sprint backlog	Pass
EAS-19	Sprint	User is trying to create sprint and time duration field is blank	Error message should be display	System display the error message and user is not able to create the sprint	Pass
EAS-20	Sprint	User add the tasks to sprint backlog	Task should be added in the sprint backlog list	Database updated successfully and user can see the tasks in sprint backlog	Pass
EAS-20	Sprint	User is on sprint screen, and modify the task	Sprint backlog should be updated in database	Database updated successfully and user can see the updated sprint backlogs	Pass
EAS-21	Sprint	User is on sprint screen to set progress of the task	Progress of the task should be updated in database	User is able to change/ update the progress of the task	Pass

# Sprint - 4: Burndown Chart

## Week 1

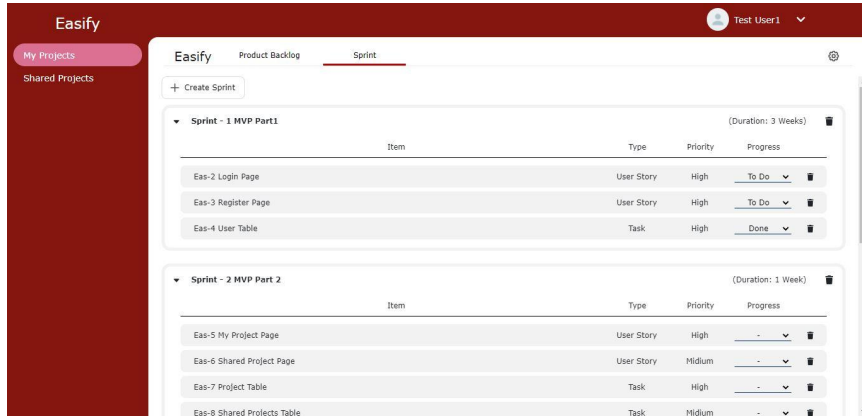
1 User Story EAS-19 (SP 3)

## Week 2

2 User Story EAS-20 (SP 3), EAS-21 (SP 1)



# Sprint - 4: Results



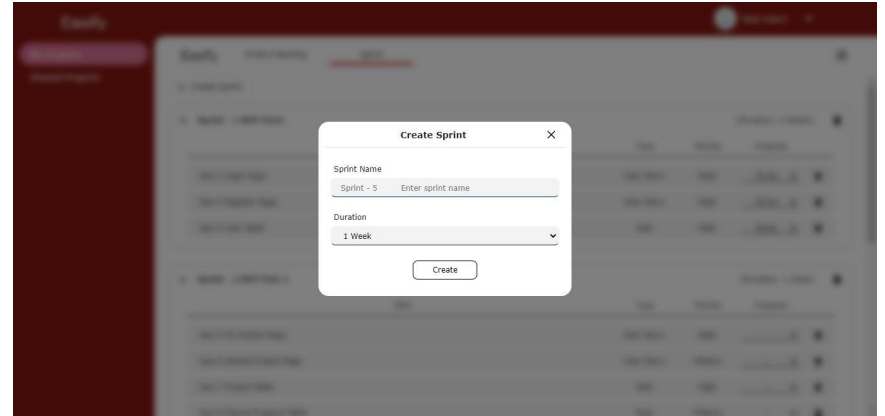
The screenshot shows the Easify application interface. On the left is a dark red sidebar with 'Easify' at the top, followed by 'My Projects' (highlighted in pink) and 'Shared Projects'. The main content area has a top bar with 'Easify', 'Product Backlog', and 'Sprint' (selected). Below this is a '+ Create Sprint' button. The main area displays two sprint cards. The first card, 'Sprint - 1 MVP Part1', has a duration of 3 weeks and contains three items: 'Eas-2 Login Page' (User Story, High priority, To Do progress), 'Eas-3 Register Page' (User Story, High priority, To Do progress), and 'Eas-4 User Table' (Task, High priority, Done progress). The second card, 'Sprint - 2 MVP Part 2', has a duration of 1 week and contains four items: 'Eas-5 My Project Page' (User Story, High priority, - progress), 'Eas-6 Shared Project Page' (User Story, Medium priority, - progress), 'Eas-7 Project Table' (Task, High priority, - progress), and 'Eas-8 Shared Projects Table' (Task, Medium priority, - progress).

Sprint - 1 MVP Part1 (Duration: 3 Weeks)				
Item	Type	Priority	Progress	
Eas-2 Login Page	User Story	High	To Do	
Eas-3 Register Page	User Story	High	To Do	
Eas-4 User Table	Task	High	Done	

Sprint - 2 MVP Part 2 (Duration: 1 Week)				
Item	Type	Priority	Progress	
Eas-5 My Project Page	User Story	High	-	
Eas-6 Shared Project Page	User Story	Medium	-	
Eas-7 Project Table	Task	High	-	
Eas-8 Shared Projects Table	Task	Medium	-	

Sprint Page



The screenshot shows a 'Create Sprint' modal dialog box. It has a title bar with 'Create Sprint' and a close button. Inside, there is a 'Sprint Name' field with a placeholder 'Sprint - 5' and a label 'Enter sprint name'. Below this is a 'Duration' dropdown menu currently set to '1 Week'. At the bottom is a 'Create' button.

Create Sprint	
Sprint Name	Sprint - 5 Enter sprint name
Duration	1 Week
Create	

Create Sprint

# Retrospective

## What went well

- Sprint tasks are completed within sprint duration

## What can be improved

- Work distribution can be improved
- Have to find hosting platform for Easify

## Action items

- Find suitable platforms / tools to host React Js application and Laravel Backend database

# Conclusion





# Future Work

Remaining user stories and features for next semester:

- OTP Authentication of any user (In Register and Login Feature)
- Profile Settings
- Project Settings
- Image Sharing
- Charts and Diagram
- Calendar
- Chat

We are planning to do Image Sharing and Charts and Diagram Features in next sprint

# Group Wiki

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



**Thank You**

