
Easify

Team - 3

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

Guided By
Professor Henry Wong

Agenda



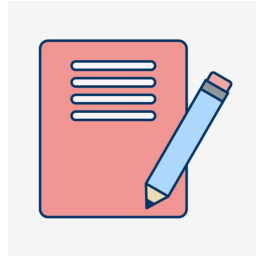
Introduction

- Team members
- Problem Statement
- Project Description
- Personas



Technologies and Design

- Front-end
- Back-end
- Design Architecture



Sprint 4 recap & Sprint 5

- Sprint Backlog
- Test Cases
- Burndown Chart
- Velocity Chart



Retrospective



Results and Future work

- Sprint 6 Use Stories
- Sprint 5 Results

Team Members - Roles and Responsibilities

Neeraj Kulkarni - Backend Developer

Janvi Ramani - Backend Developer

Anvai Patil - Frontend Developer

Dhruvil Shah - Scrum Master, 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 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. Through this app, they can test and can provide the feedback to programmer.



MVP



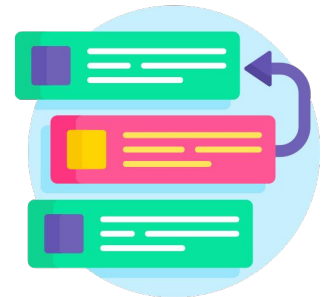
Authentication - User
can Register, Login,
Logout from the system

Access to create projects
and share with other
members



Managing projects and
updating tasks

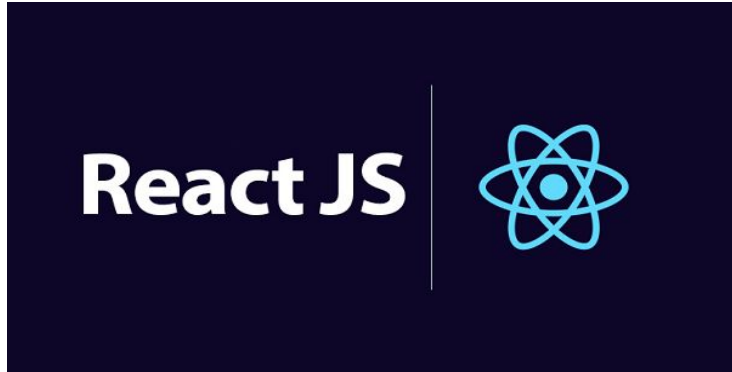
Create and manage the
Product backlog and
Sprint backlogs



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.

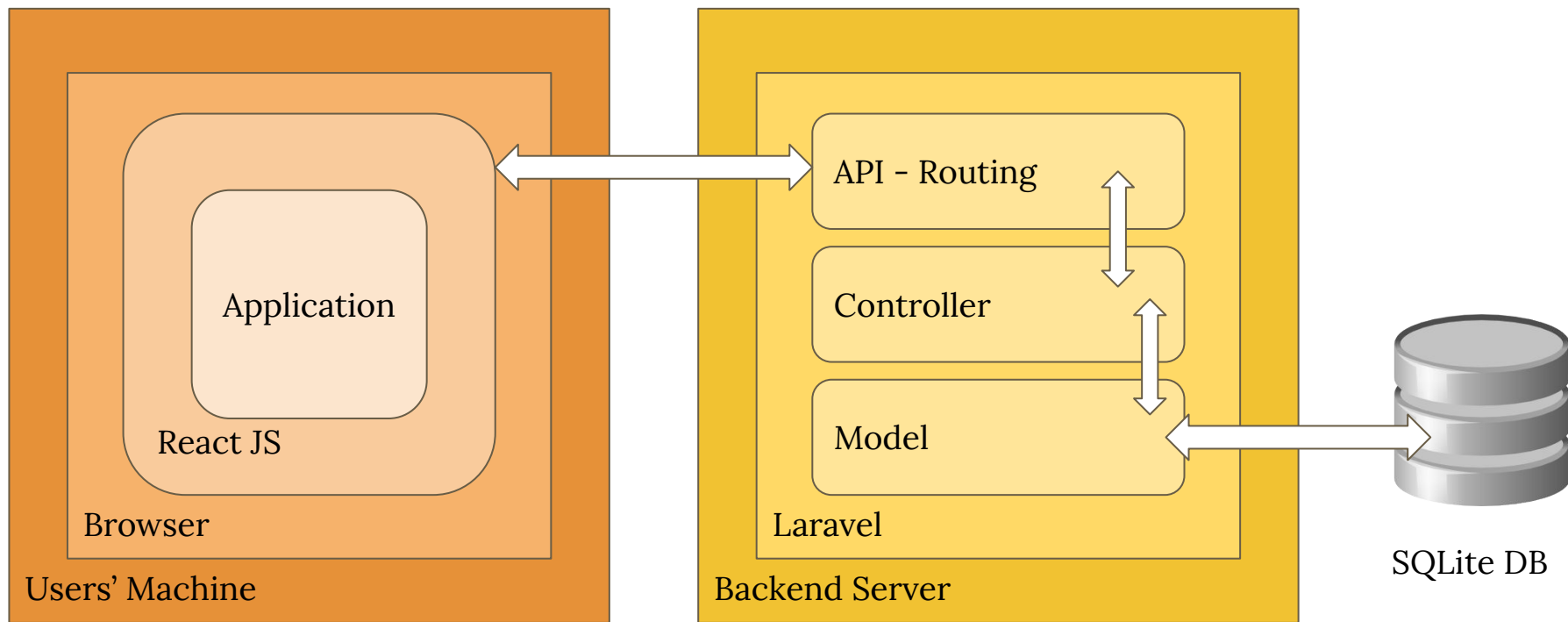


PHP is known as a general-purpose scripting language. It was among the first server-side languages.



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

Design Architecture



Sprint 4 Recap



Sprint - 4 User Stories

Total 7 Story Points

EAS-19 Points - 3

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

Acceptance Criteria:

- Given scrum master or creator of the project is on sprint screen, when he/ she click on create sprint, then system should ask time duration for the sprint
- Given time duration field is empty, when he/ she click on create, then system should display error message

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

Acceptance Criteria: Given developer or creator is on sprint screen, when he/ she update the task status, then system should update task detail in database

EAS-20 Points - 3

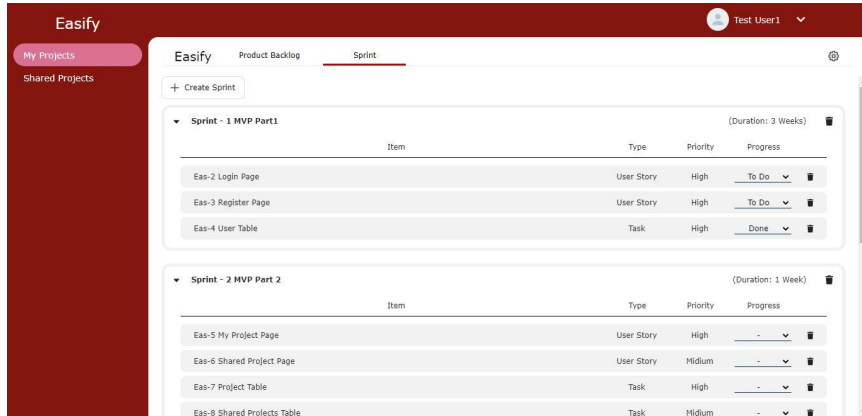
User Story: As a scrum master or developer or creator of the project, I want to be able to add/ modify tasks to the sprint backlog so that I can list out the work for the sprint

Acceptance Criteria:

- Given scrum master or developer or creator is on sprint screen, when he/ she wants to add task, then system should display tasks list from the product backlog
- Given scrum master or developer or creator is on sprint screen, when he/ she click on add task, then system should add tasks into sprint backlog

EAS-21 Points - 1

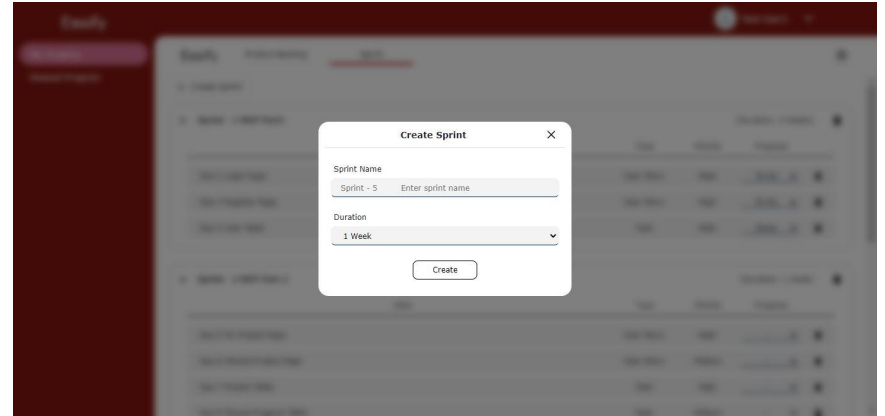
Sprint - 4: Results



The screenshot shows the Easify application interface. On the left is a dark red sidebar with 'My Projects' and 'Shared Projects' links. The main header is dark red with the 'Easify' logo and a user profile 'Test User1'. Below the header, there are tabs for 'Product Backlog' and 'Sprint'. The 'Sprint' tab is active, showing a '+ Create Sprint' button and two sprint lists. The first list, '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 list, '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).

Easify				
Product Backlog Sprint				
+ Create Sprint				
▼ 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 a close button. Inside, there is a 'Sprint Name' field with a placeholder 'Sprint - 5' and a label 'Enter sprint name'. Below that 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

Sprint 4

- Completed feature: Sprint
- Developed backend APIs for Sprint feature to develop its front-end
- Linked the front-end with product backlog feature
 - So that Easify users can add items from the product backlog to sprint backlog

Sprint 5

- Completed feature: Calendar
- We developed the front-end and back-end for Calendar feature
 - Easify users can now create events by providing date range, title and description to plan their work
 - Also modify events by dragging from one date to another.

Improvement from the Professor's Feedback

- From the previous presentation , we discussed and decided to change the retrospective as we expected retrospective to be as team's perspective.
- We wrote as team's perspective and also found all the answers that were left in the retrospective.
- We contributed as team.

Product Backlog

- We have not included any new user stories to Product Backlog
- Tasks included in product backlog for sprint 5:
 - EAS-62: Develop Calendar screen
 - EAS-63: Design backend APIs and controllers to perform CRUD operations on calendar events data
 - EAS-64: Integrate Calendar with Project screens and APIs
 - EAS-65: Testing for Sprint - 5
 - EAS-66: Create presentation for Deliverable - 5
 - EAS-67: Create presentation video and demo for Deliverable - 5
 - EAS-68: Update Tech Paper
 - EAS-69: Update Github Wiki

Sprint 5



Sprint - 5: Committed and Completed Artifacts

EAS-25 **Points - 5**

User Story: As a product owner or scrum master or developer or creator, I want to be able to see the calendar so that I can plan our work

Acceptance Criteria: Given product owner or scrum master or developer or creator is on calendar screen, when he/ she selects any month or date, then system should display details

EAS-26 **Points - 5**

User Story: As a product owner or scrum master or developer or creator, I want to be able to add/delete task on any date so that I can put/remove the deadline for that task

Acceptance Criteria: Given product owner or scrum master or developer or creator is on calendar screen, when he/ she click on any date and enter/modify some event, then the system should display the changes made on that date to all users with whom the project is shared

Total 10 Story Points
100% Completed

Tasks

EAS-62: Develop Calendar screen

EAS-63: Design backend APIs and controllers to perform CRUD operations on calendar events data

EAS-64: Integrate Calendar with Project screens and APIs

EAS-65: Testing for Sprint - 5

EAS-66: Create presentation for Deliverable - 5

EAS-67: Create presentation video and demo for Deliverable - 5

EAS-68: Update Tech Paper

EAS-69: Update Github Wiki

Sprint - 5: Sprint Backlog

ID	Item	Priority	Story Points	Status
EAS-25	As a product owner or scrum master or developer or creator, I want to be able to see the calendar so that I can plan our work	Mid	5	Done
EAS-26	As a product owner or scrum master or developer or creator, I want to be able to add/delete task on any date so that I can put/remove the deadline for that task	Mid	5	Done
EAS-62	Develop Calendar screen	High	NA	Done
EAS-63	Design backend APIs and controllers to perform CRUD operations on calendar events data	High	NA	Done
EAS-64	Integrate Calendar with Project screens and APIs	High	NA	Done
EAS-65	Testing for Sprint - 5	Mid	NA	Done
EAS-66	Create presentation for Deliverable - 5	Low	NA	Done
EAS-67	Create presentation video and demo for Deliverable - 5	Mid	NA	Done
EAS-68	Update Tech Paper	Mid	NA	Done
EAS-69	Update Github Wiki page	Mid	NA	Done

Sprint - 5: Test Cases

User Story ID	Feature	Test Case	Expected Output	Actual Outcome	Status
EAS-25	Calendar	User is on calendar screen	User should be able to see the calendar and events	User is able to see the calendar and events of that project	Pass
EAS-26	Calendar	User modify some event on calendar screen	Event should be updated in database	User is able to create and change the date, title and description of the event	Pass

Sprint - 5: Burndown Chart

Week 1

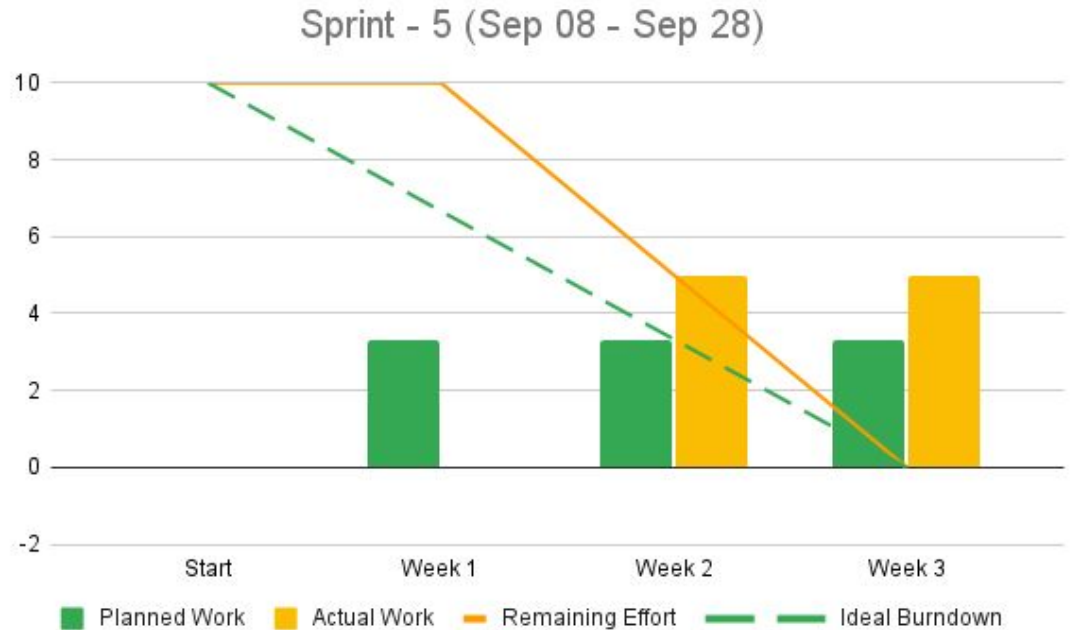
No User Story

Week 2

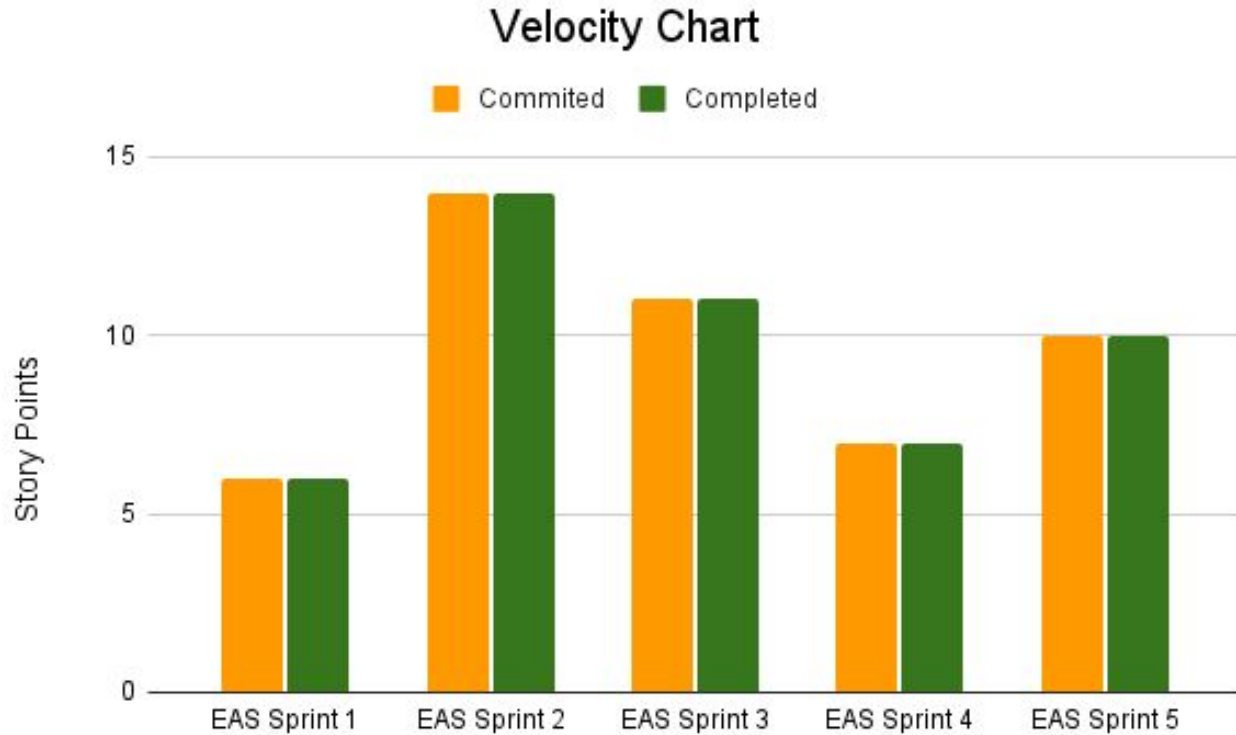
1 User Story EAS-25 (SP 5)

Week 3

1 User Story EAS-26 (SP 5)



Velocity



Retrospective

What went well

- Eager to work with new technology
- We are working remotely but we are pairing good

What can be improved

- Need to work in timely manner to achieve committed tasks
- Time estimation for each task can be improved

Action items

- Time estimation of each task

Sprint - 6 User Stories

Total 15 Story Points

EAS-22 Points - 5

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

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

EAS-23 Points - 5

User Story: As a scrum master or creator, I want to be able to create the burndown chart for the project so that we can predict our efforts

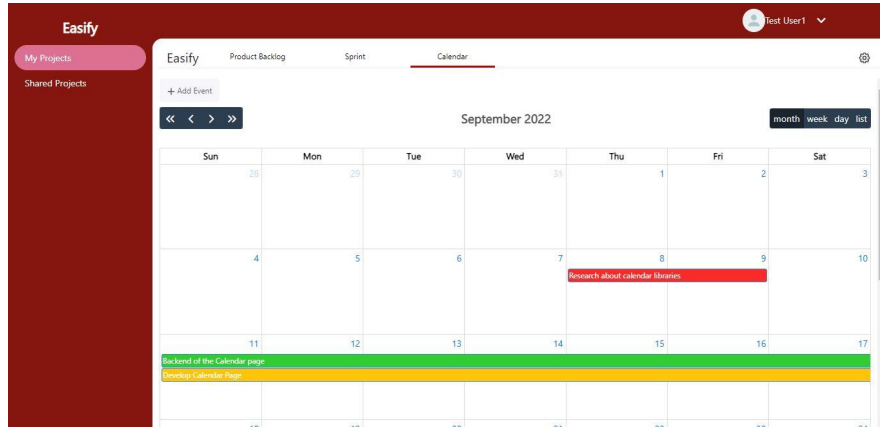
Acceptance Criteria: Given scrum master or developer or creator is on chart screen, when he/ she clicks on burndown chart, then system should ask some details and generate burndown chart

EAS-24 Points - 5

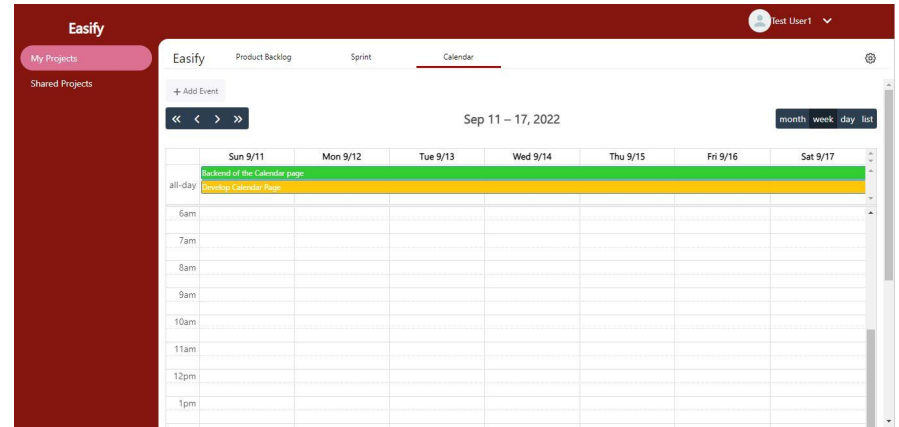
User Story: As a product owner or scrum master or creator, I want to be able to create user activity map for the project so that I can understand the user activities better

Acceptance Criteria: Given product owner or scrum master or creator is on chart screen, when he/ she clicks on user activity map, then system should generate user activity map

Sprint - 5: Results

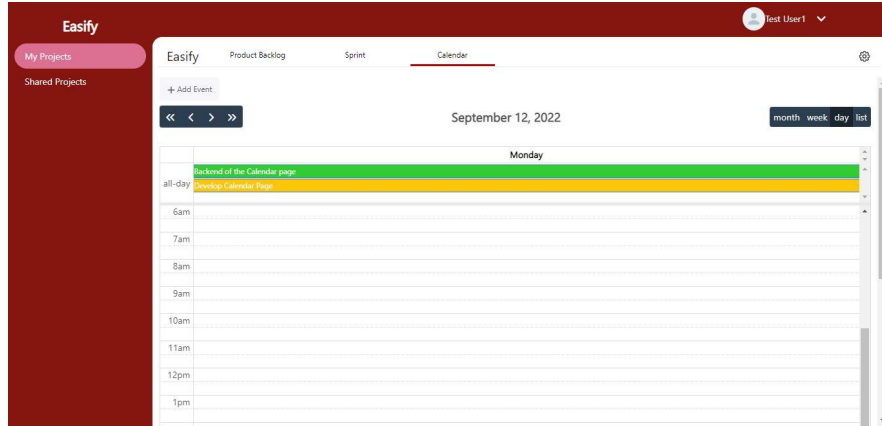


Calendar Month View

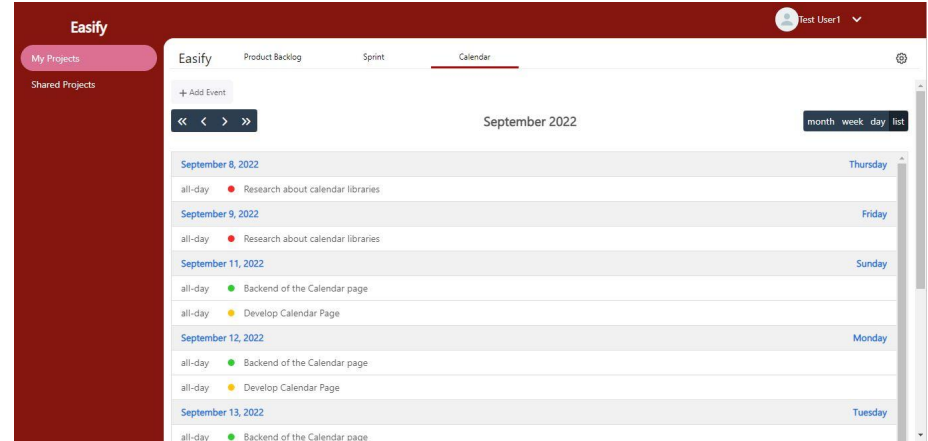


Calendar Week View

Sprint - 5: Results

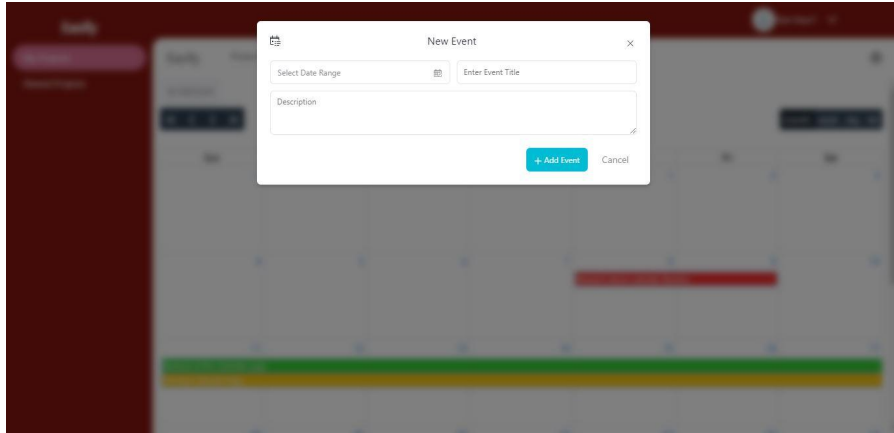


Calendar Day View

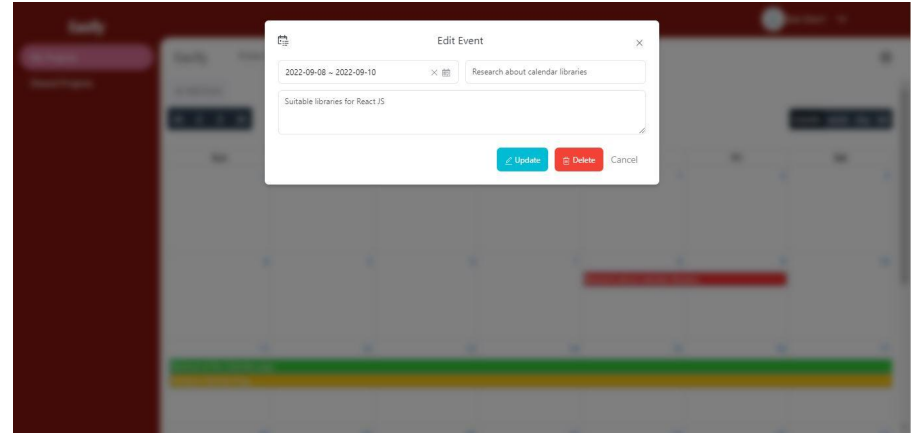


Calendar List View

Sprint - 5: Results



Calendar Add Event



Calendar Update-Delete Event

Sprint - 5: Backend APIs

We have developed following APIs in order to complete Calendar feature:

- To create event: `/api/event/create` POST
- To fetch event: `/api/event/fetch` POST
- To update event: `/api/event/update` POST
- To delete event: `/api/event/delete` POST

Group Wiki

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





Thank You

