
Easify

Team - 3

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INTRODUCTION

An open notebook lies on a wooden desk. The left page features the word 'INTRODUCTION' in a large, bold, red, distressed font. To the left of the notebook, two yellow pencils are stacked. A glass of orange juice is partially visible at the top left. On the right side, a black pen and a brown marker are placed on the desk, along with a small white eraser. The right page of the notebook is blank. The entire scene is captured in a warm, slightly blurred style with soft bokeh light effects.

Introduction

We are designing an application called Easify. Easify is an application that helps you manage scrum-based projects easily and effectively. The app will help users create their own projects and build backlogs for listing out requirements. Users can organize backlogs, schedule sprints, and keep track of their activities. This app also allows users to share projects with other users. They can also share images related to their work. Users can use the calendar functionality to plan their work. Users can communicate with each other using the chat feature.











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

React JS



Laravel





User Stories and Acceptance Criteria

User Stories - Register

Feature: Register

User Story: As a new user, I want to register my self so that I can create an account

Acceptance Criteria:

- Given user entered true required details, when user click on the register button, then account should be created
- Given some of the required fields are empty(null), when user click on register button, then system has to display error message
- Given user miss some checklist for password, when user click on register button, then system has to display error message
- Given user entered existing email(in database), when user click on register button, then system has to display error message

Feature: Register

User Story: As a new user, I want to be able to receive authentication email so that the system can authenticate me

Acceptance Criteria:

- Given user entered right OTP, when user click on register button, then account should be created
- Given user entered wrong OTP, when user click on register button, then system has to display error message

User Stories - Login, Logout

Feature: Login

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

Acceptance Criteria:

- Given user entered true required details, when user click on the login button, then system should navigate to home screen
- Given some of the required fields are empty(null), when user click on login button, then system has to display error message
- Given user entered wrong password, when user click on login button, then system has to display error message
- Given user entered non-existing(in database) email, when user click on login button, then system has to display error message

Feature: Login

User Story: 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

Acceptance Criteria:

- Given user forgot the password, when user click on forgot password, then system should ask for new password, confirm password and OTP and user should receive OTP through email

Feature: Logout

User Story: As a user, I want to be able to logout from the system so that I can end my session

Acceptance Criteria:

- Given user is logged in, when user click on logout, then system should navigate to login page

User Stories - Profile Settings

Feature: Profile Settings

User Story: 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

Acceptance Criteria:

- Given user is on profile page, when user click on edit photo and try to upload image from personal device, then system should accept image file
- Given user is on profile page and name field is empty, when user click on update profile, then system should display error message
- Given on profile page user did not select any photo, when user click on update profile, then system should take default profile avatar photo

Feature: Profile Settings

User Story: As a user, I want to be able to change my password so that I can keep my account secure

Acceptance Criteria:

- Given user is on profile page, when user click on change password, then system should ask for new password, confirm password and OTP and user should receive OTP through email

User Stories - Home Page, View Project, Project Creation

Feature: Home Page

User Story: As a user, I want to be able to see the recent projects so that I can see the projects I am involved with

Acceptance Criteria: Given user is on home page, then system should display recently created or shared projects

Feature: Project Creation

User Story: As a user, I want to create a project so that I can start the work of the product

Acceptance Criteria:

- Given user entered unique name(non-existing name for this user) of the project, when user click on create project, then system should create a project
- Given entered project name already exists for this user, when user click on create project, then system should display error message

Feature: View Project

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

Acceptance Criteria:

- Given user is on my project page, then system should display only those projects which are created by the user

Feature: View Project

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

Acceptance Criteria:

- Given user is on shared project page, then system should display only those projects which are shared with the user

User Stories - Project Settings

Feature: Project Settings

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

Acceptance Criteria:

- Given user is creator of the project, when user entered existing user's email in "shared with" field, then system should share that project with them
- Given user is creator of the project, when user entered non-existing user's email in "shared with" field, then system should display error message
- Given user is not creator of the project, when user try to change project settings, then system should not allow to change the project settings

Feature: Project Settings

User Story: As a creator of the project, I want to be able to change the project profile photo, so that I can update project photo

Acceptance Criteria:

- Given user is creator of the project, when user change the photo, then system should accept image file and photo should be updated in database
- Given user is not creator of the project, when user try to change project settings, then system should not allow to change the project settings

User Stories - Project Setting, Product Backlog

Feature: Project Settings

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

Acceptance Criteria:

- Given user is creator of the project, when user set the role for each user, then system should bound the functionalities respect to his/her role
- Given user is not creator of the project, when user try to change project settings, then system should not allow to change the project settings

Feature: Product Backlog

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

Acceptance Criteria: Given user is on product backlog screen, then system should display all the tasks lists to the user

Feature: Product Backlog

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

Acceptance Criteria:

- Given product owner or creator of project entered details of the task, when click add, then task should be created with unique id
- Given product owner or creator of the project modify any details, when click update/ modify, then system should update the task details

User Stories - Sprint

Feature: Sprint

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

Feature: Sprint

User Story: As a scrum master or developer or creator of the project, I want to be able to add 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 of the project 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 of the project is on sprint screen, when he/ she click on add task, then system should add tasks into sprint backlog

User Stories - Sprint

Feature: Sprint

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 of the project is on sprint screen, when he/ she update the task status, then system should update task detail in database

Feature: Sprint

User Story: As a scrum master or developer or 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

Acceptance Criteria:

- Given scrum master or developer or creator of the project is on sprint screen, when he/ she update the task's priority attribute, then system should update task detail in database

User Stories - Image Sharing, Charts and Diagrams

Feature: Image Sharing

User Story: As a developer or creator of the project, 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 of the project 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

Feature: Charts and Diagrams

User Story: As a scrum master or creator of the project, 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 creator of the project is on chart screen, when he/ she clicks on burndown chart, then system should ask some details and generate burndown chart

Feature: Charts and Diagrams

User Story: As a product owner or scrum master or creator of the project, 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 of the project is on chart screen, when he/ she clicks on user activity map, then system should generate user activity map

User Stories - Calendar

Feature: Calendar

User Story: As a user, I want to be able to see the calendar so that I can plan our work

Acceptance Criteria:

- Given user is on calendar screen, when he/ she selects any month or date, then system should display details

Feature: Calendar

User Story: As a user, 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 user 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

User Stories - Chat

Feature: Chat

User Story: As a user, I want to be able to send messages in project group so that I can notify others about tasks or bugs

Acceptance Criteria:

- Given user is on chat screen, when he/ she clicks on project group and send some message, then system should send the message

Feature: Chat

User Story: As a user, 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 user is on chat screen, when he/ she clicks on project group, then system should display all the messages



MVP



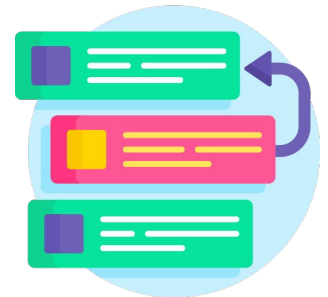
Authentication - User
can Register, Login,
Logout from the system

Access to create projects
and share with other
members



Managing projects and
updating tasks

Create and manage the
Product backlog and
Sprint backlogs



The background of the slide is a close-up, slightly blurred photograph of numerous colorful sticky notes (yellow, pink, and light green) scattered across a green surface. The notes are of various sizes and are some are partially overlapping, creating a sense of organized chaos or a backlog of tasks.

Sprint Backlogs

Sprint - 1 (Feb 19 - March 09)

#	Type	Item	Status
1	Task	Research for project topics	Done
2	Task	Study different tools and technologies for project	Done
3	Task	Create presentation for Deliverable - 1	Done
4	User Story	As a new user, I want to register my self so that I can create an account	Done
5	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	Done
6	User Story	As a user, I want to be able to logout from the system so that I can end my session	Done
7	Task	Develop Register Page UI	Done
8	Task	Develop Login Page UI	Done
9	Task	Create validation functions to check entered data	Done
10	Task	Create new table in database for user information	Done
11	Task	Backend API and functions to validate registration and login data	Done

Sprint - 2 (March 10 - March 30)

#	Type	Item	Status
1	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	Done
2	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	Done
3	User Story	As a user, I want to create a project so that I can start the work of the product	Done
4	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	In Progress
5	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	To Do
6	Task	Create new table for project information	Done
7	Task	Backend controller and functions for project data	Done
8	Task	Develop My Project Page	Done
9	Task	Develop Shared Project Page	In Progress
10	Task	Create presentation for Deliverable - 2	Done
11	Task	Integrate pages with backend	Done

Test Cases



Test Cases

ID	Feature	Description	Expected Output
1	Register	On register page, all required details are filled and correct	User should be able to Register
2		On register page, any required details is blank	Error message should be display
3		Password requirement does not meet	Error message should be display
4		Email id already existed	Error message should be display
5		On authentication page, OTP are filled and correct	User should be able to Register
6		On authentication page, OTP is wrong or blank	Error message should be display
7	Login	On login page, All required details are filled and correct	User should be able to Login
8		On login page, Any required details is blank	Error message should be display
9		Wrong Password	Error message should be display
10		Email id doesn't exist	Error message should be display
11		On forgot password page, all required details are filled and correct	User should be able to change the password
12	Logout	User clicks on logout button	User should be able to Logout from the system

Test Cases -Continue

ID	Feature	Description	Expected Output
13	Profile Settings	Uploading the image on profile page	User should be able to upload the profile photo
14		Any required details is blank on profile settings screen	Error message should be display
15		On change password, all required details are filled and correct	User should be able to change the password
16	Home Page	User is on home page	User should be able to see the recents project
17	Project Creation	Created the project with unique name	Project should be created of the user
18		Name of the project already exists	Error message should be display
19	Project View	User is on project page	User should be able to see all the projects that he/ she created
20		User is on shared project screen	User should be able to see all the projects which are shared with him/ her
21	Project settings	Share the project with required details	Project should be shared with other users
22		Email not existed in shared project page	Error message should be display
23		User is not a creator of the project	User should not be able change project settings

Test Cases-Continue

ID	Feature	Description	Expected Output
24	Product Backlog	User is on product backlog screen	User should be able to see the product backlog
25		User entered details of the task and click add	Task should be added in the product backlog list
26		User modify any details	Product backlog should be updated in database
27	Sprint	User is on sprint page	User should be able to see the sprint backlog
28		Time duration field is blank	Error message should be display
29		User is on sprint screen, and add the tasks	Task should be added in the sprint backlog list
30		User is on sprint screen, and add the tasks	Sprint backlog should be updated in database
31		User is on sprint screen to set priorities of the tasks	Priority of the task should be updated in database
32	Image Sharing	User wants to upload image	User should be able to upload the image

Test Case-Continue

ID	Feature	Description	Expected Output
33	Charts and Diagram	User is on chart screen and clicks on burndown chart	Burndown chart should be created
34		User is on chart screen and clicks on user activity map	User activity map should be created
35	Calendar	User is on calendar screen	User should be able to see the calendar and events
36		User modify some event on calendar screen	Event should be updated in database
37	Chat	User is on project group on chat screen	User should be able to chat with other members

A large orange circle with a thin black outline, containing the word 'Retrospective' in white text.

Retrospective

What went well

- Our meeting and Collaborations
- Find suitable platform, tools and technologies for the project

What can be improved

- Give some more time in research about scrum and agile methodology
- Everyone should be aware of deadlines and submission requirements

Action items

- Increase testing of the application to avoid the bugs early

Group Wiki

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



Thank You

