

RAJALAKSHMI ENGINEERING COLLEGE

RAJALAKSHMI NAGAR, THANDALAM – 602 105



CS23A34

USER INTERFACE AND DESIGN LAB

Laboratory Observation NoteBook

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Year/Branch/Section : II/CSE/D

Register No. : 230701369

Semester : IV

Academic Year: 2024-25

Ex. No. : 5b

Date : 29.03.2025

Register No. : 230701369

Name : Valluru Varshini

**Simulate the life cycle stages for UI design using the RAD
model and develop a small interactive interface
using OpenProj**

AIM:

The aim is to recreate the lifecycle stages of UI design using the RAD model and design a small interactive interface with OpenProj

PROCEDURE:

Tool Link: <https://sourceforge.net/projects/openproj/>

Step 1: Requirements Planning

1. Gather Requirements:

- Identify key features and functionalities needed for your interface.
- Example: A simple "Login" and "Register" interface with debug logs.

2. Define Use Cases:

- Specify use cases for user login and registration.
- Example: User logs in with valid credentials, user registers with a new account.

Output in OpenProj:

- Create a new project.
- Add tasks: "Gather Requirements" and "Define Use Cases."
- Set durations and dependencies for each task.

Step 2: User Design

1. Sketch Initial Designs:

- Draw rough sketches of the "Login" and "Register" screens on paper.

2. Create Digital Wireframes:

- Use a tool like Figma or Sketch to create digital wireframes.

Example Wireframes:

1. Login Screen: Username field, Password field, Login button, Register link.

2. Register Screen: Username field, Email field, Password field, Confirm Password field, Register button.

Output in OpenProj:

- Add tasks: "Sketch Initial Designs" and "Create Digital

Wireframes."

- Allocate time and resources to complete these tasks. **Step**

3: Rapid Prototyping

1. Develop Prototypes:

- Use a tool like Axure RP to convert wireframes into interactive prototypes.

2. Test Prototypes:

- Share prototypes with stakeholders for feedback. ○
Collect feedback and iterate on the design.

Output:

- Interactive prototypes for "Login" and "Register" screens.

Output in OpenProj:

- Add tasks: "Develop Prototypes" and "Test Prototypes." ● Set dependencies and milestones.

Step 4: User Acceptance/Testing

1. Review Prototype:

- Conduct user and stakeholder reviews.

2. Conduct Usability Testing:

- Perform usability testing and document feedback.

Output:

- Documented feedback and test results.

Output in OpenProj:

- Add tasks: "Review Prototype" and "Usability Testing."
- Track progress and resources.

Step 5: Implementation

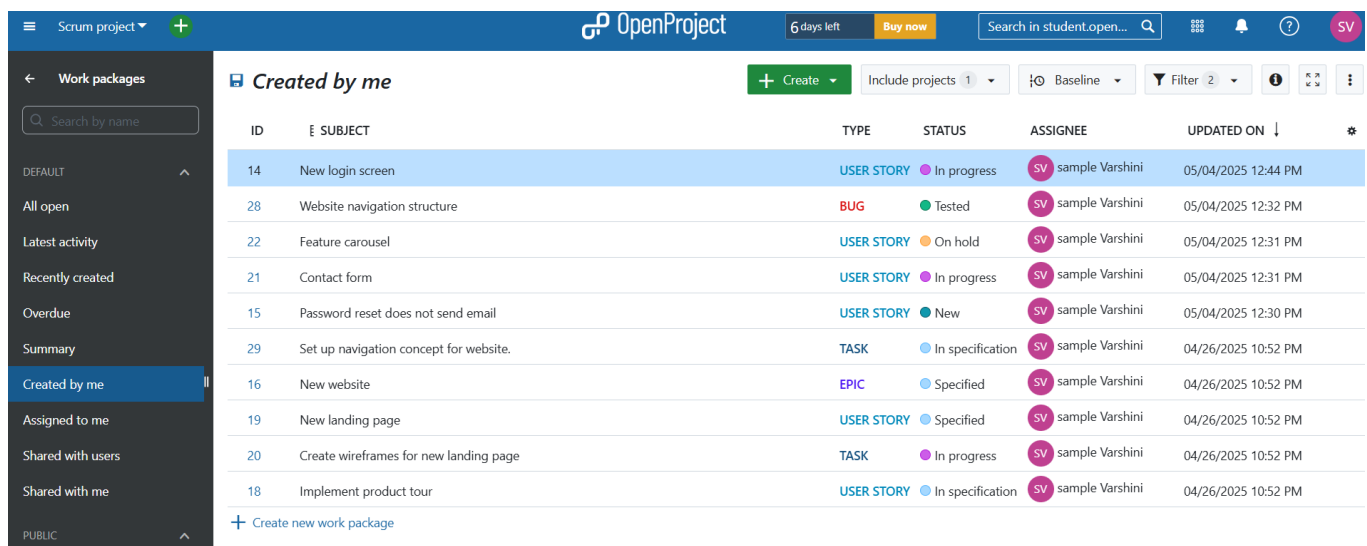
1. Develop Functional Interface:

- Implement final designs and functionalities based on feedback.

2. Integrate Backend (if required):

- Connect the UI with backend services for tasks like user authentication.

OUTPUT



ID	SUBJECT	TYPE	STATUS	ASSIGNEE	UPDATED ON
14	New login screen	USER STORY	In progress	sample Varshini	05/04/2025 12:44 PM
28	Website navigation structure	BUG	Tested	sample Varshini	05/04/2025 12:32 PM
22	Feature carousel	USER STORY	On hold	sample Varshini	05/04/2025 12:31 PM
21	Contact form	USER STORY	In progress	sample Varshini	05/04/2025 12:31 PM
15	Password reset does not send email	USER STORY	New	sample Varshini	05/04/2025 12:30 PM
29	Set up navigation concept for website.	TASK	In specification	sample Varshini	04/26/2025 10:52 PM
16	New website	EPIC	Specified	sample Varshini	04/26/2025 10:52 PM
19	New landing page	USER STORY	Specified	sample Varshini	04/26/2025 10:52 PM
20	Create wireframes for new landing page	TASK	In progress	sample Varshini	04/26/2025 10:52 PM
18	Implement product tour	USER STORY	In specification	sample Varshini	04/26/2025 10:52 PM

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Created by me

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Baseline

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ID	SUBJECT	TYPE	STATUS	ASSIGNEE	U
14	New login screen	USER STORY	In progress	SV sample Varshini	05
28	Website navigation structure	BUG	Tested	SV sample Varshini	05
22	Feature carousel	USER STORY	On hold	SV sample Varshini	05
21	Contact form	USER STORY	In progress	SV sample Varshini	05
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29	Set up navigation concept for website.	TASK	In specification	SV sample Varshini	04
16	New website	EPIC	Specified	SV sample Varshini	04
19	New landing page	USER STORY	Specified	SV sample Varshini	04
20	Create wireframes for new landing page	TASK	In progress	SV sample Varshini	04
18	Implement product tour	USER STORY	In specification	SV sample Varshini	04

OVERVIEW

ACTIVITY

FILES

RELATIONS

WATCHERS

Set parent +

USER STORY New login screen

In progress

#14: Created by sample Varshini. Last updated on 05/04/2025 12:44 PM.

Title: User Login to Access Personalized Features

As a registered user,

I want to securely log in using my credentials (email/username and password),

So that I can access my personalized dashboard and features after authentication.

PEOPLE

Assignee

SV sample Varshini

RESULT:

Hence the lifecycle stages of UI design using the RAD model and design of a small interactive interface with OpenProj has been successfully executed.