RAJALAKSHMI ENGINEERING COLLEGE

RAJALAKSHMI NAGAR, THANDALAM – 602 105

CS23A34 **USER INTERFACE AND DESIGN LAB**
Laboratory Observation NoteBook

Name: T.R.DIVYASREE **Year/Branch/Section:** II/CSE/A **Register No:** 230701083 **Semester:** IV **Academic Year:** 2024-25

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.
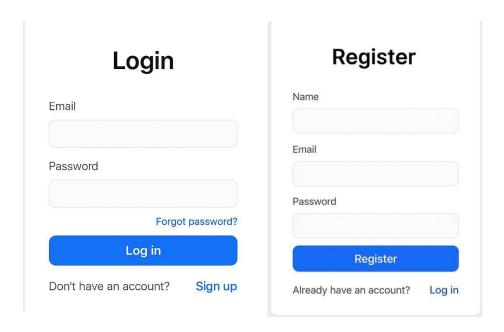
Output in OpenProj:

● Add tasks: "Review Prototype" and "Usability Testing."

● Track progress and resources.

Step 5: Implementation
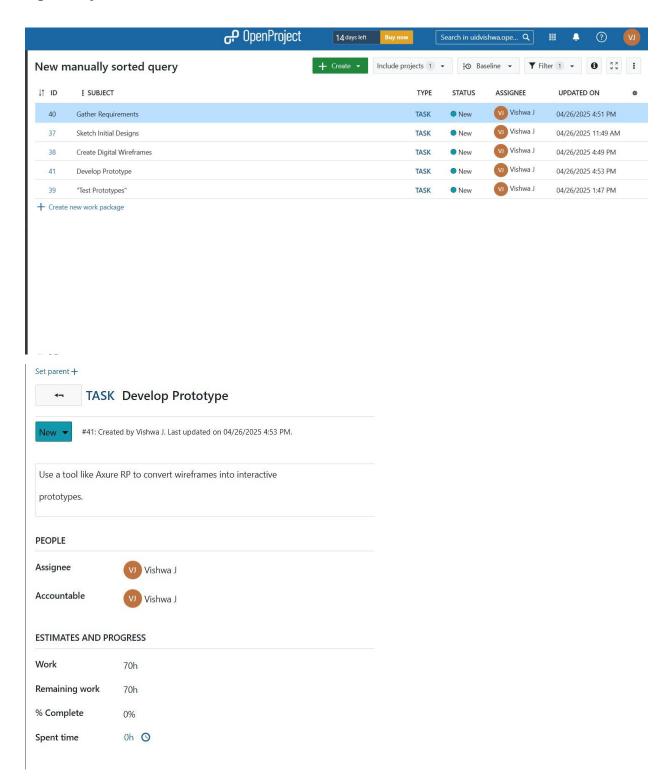
1. Develop Functional Interface:

○ 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:

Designs for Login and Register

OpenProj Dashboard

New manually sorted query

ID	SUBJECT	TYPE	STATUS	ASSIGNEE	UPDATED ON
40	Gather Requirements	TASK	● New	VJ Vishwa J	04/26/2025 4:51 PM
37	Sketch Initial Designs	TASK	● New	VJ Vishwa J	04/26/2025 11:49 AM
38	Create Digital Wireframes	TASK	● New	VJ Vishwa J	04/26/2025 4:49 PM
41	Develop Prototype	TASK	● New	VJ Vishwa J	04/26/2025 4:53 PM
39	"Test Prototypes"	TASK	● New	VJ Vishwa J	04/26/2025 1:47 PM

+ Create new work package

Set parent +

← TASK **Develop Prototype**

New ▾ #41: Created by Vishwa J. Last updated on 04/26/2025 4:53 PM.

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

PEOPLE

Assignee	VJ Vishwa J
Accountable	VJ Vishwa J

ESTIMATES AND PROGRESS

Work	70h
Remaining work	70h
% Complete	0%
Spent time	0h 🕐

RESULT:

Demonstration of the lifecycle stages of UI design via the RAD model and development of a small interactive interface employing OpenProj has been successfully completed.