RAJALAKSHMI ENGINEERING COLLEGE

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RAJALAKSHMI
ENGINEERING COLLEGE

CS23A34
USER INTERFACE AND DESIGN LAB

Laboratory Observation NoteBook

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Year/Branch/Section : II/CSE/D

Register No. : 230701334

Semester : IV

Academic Year: 2024-25

Ex. No. : 5b **Date : 29.03.2025**

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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

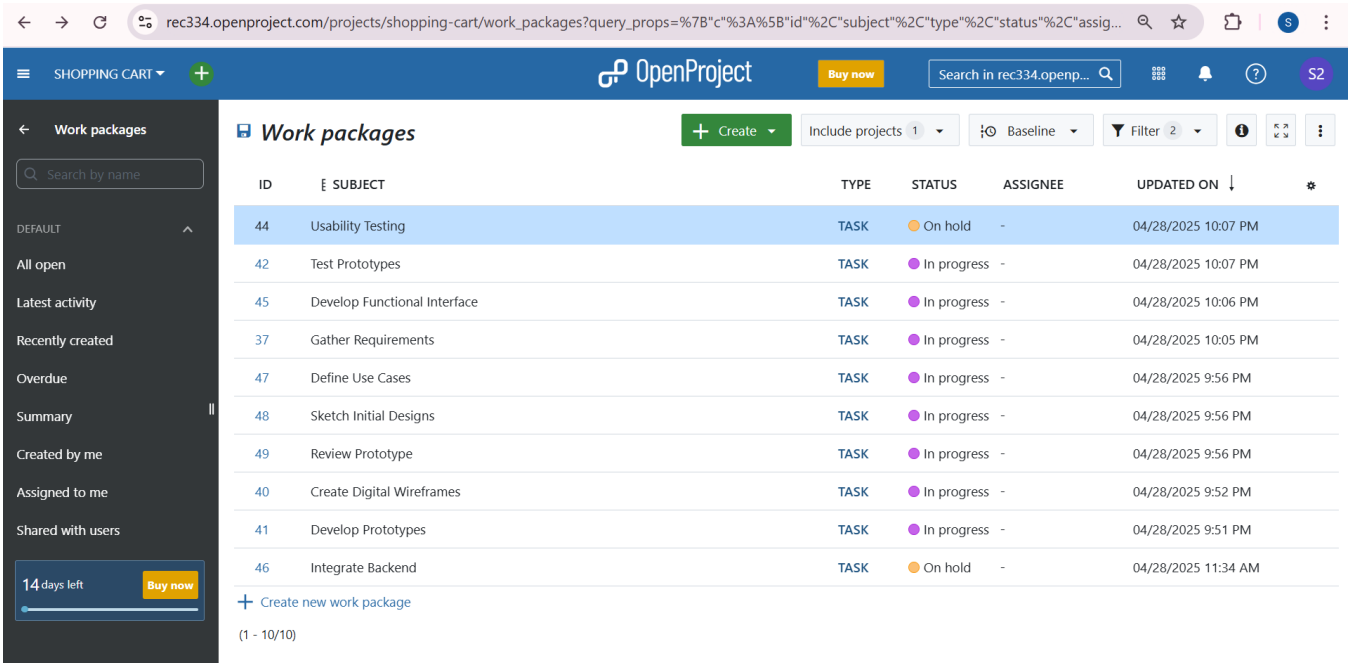
1. Develop Functional Interface:

    ○ 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:

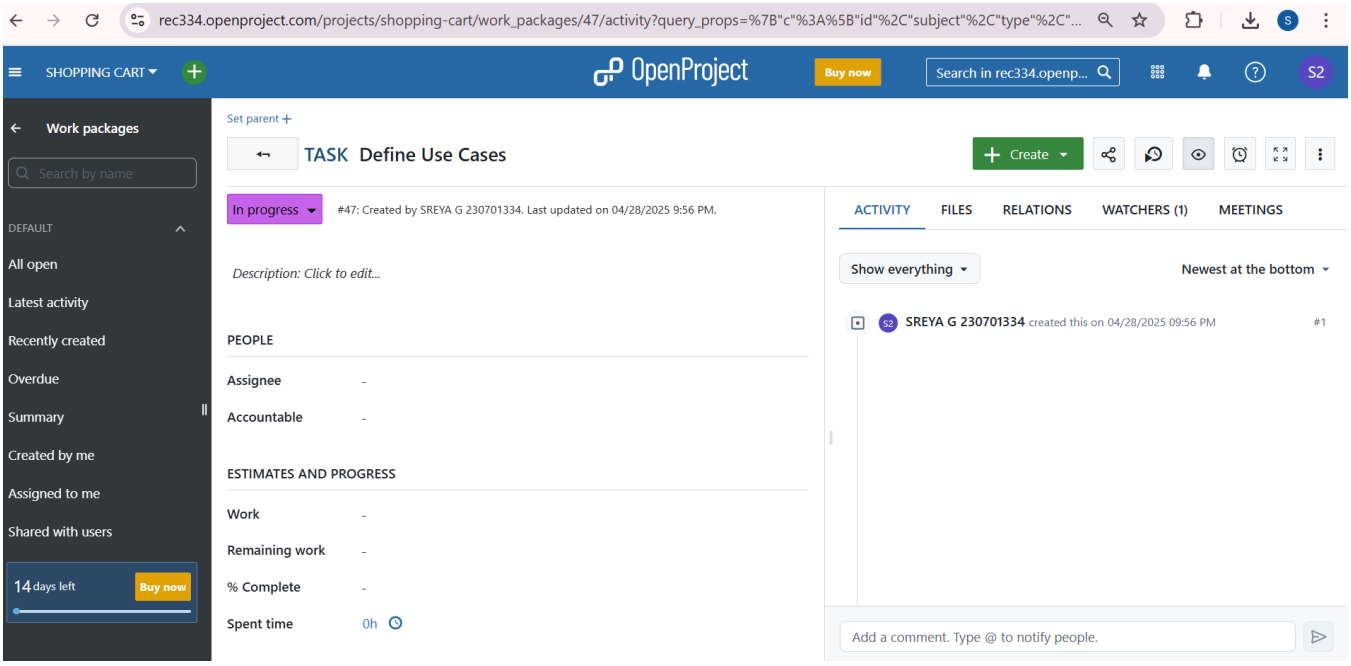


Work packages

Create | Include projects 1 | Baseline | Filter 2

ID	SUBJECT	TYPE	STATUS	ASSIGNEE	UPDATED ON
44	Usability Testing	TASK	On hold	-	04/28/2025 10:07 PM
42	Test Prototypes	TASK	In progress	-	04/28/2025 10:07 PM
45	Develop Functional Interface	TASK	In progress	-	04/28/2025 10:06 PM
37	Gather Requirements	TASK	In progress	-	04/28/2025 10:05 PM
47	Define Use Cases	TASK	In progress	-	04/28/2025 9:56 PM
48	Sketch Initial Designs	TASK	In progress	-	04/28/2025 9:56 PM
49	Review Prototype	TASK	In progress	-	04/28/2025 9:56 PM
40	Create Digital Wireframes	TASK	In progress	-	04/28/2025 9:52 PM
41	Develop Prototypes	TASK	In progress	-	04/28/2025 9:51 PM
46	Integrate Backend	TASK	On hold	-	04/28/2025 11:34 AM

Create new work package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SHOPPING CART
OpenProject
Buy now
Search in rec334.openp...
S2
Work packages
Search by name
DEFAULT
All open
Latest activity
Recently created
Overdue
Summary
Created by me
Assigned to me
Shared with users
14 days left
Buy now
Set parent +
TASK Define Use Cases
Create
In progress
#47: Created by SREYA G 230701334. Last updated on 04/28/2025 9:56 PM.
Description: Click to edit...
PEOPLE
Assignee -
Accountable -
ESTIMATES AND PROGRESS
Work -
Remaining work -
% Complete -
Spent time 0h
ACTIVITY
FILES
RELATIONS
WATCHERS (1)
MEETINGS
Show everything
Newest at the bottom
SREYA G 230701334 created this on 04/28/2025 09:56 PM
#1
Add a comment. Type @ to notify people.

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.