Exercise 9:

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 paper2.

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

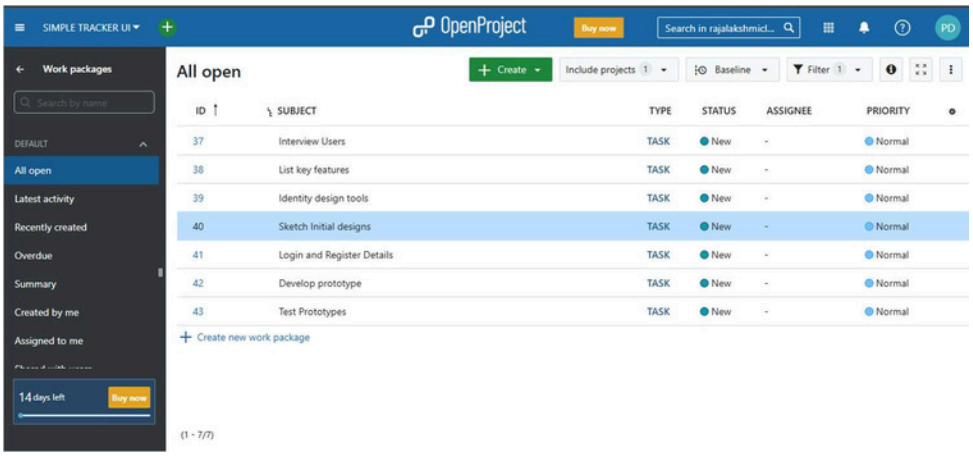
1. Develop Functional Interface

◯ 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:



RESULT:
The output was verified successfully.