

EX.NO:5(b)

NAME: UDHAYAKUMAR V

Date: 29.03.2025

REG.NO: 230701367

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:

GOPAL TECHNOLOGIES
User Authentication System

Login to your account

Username

Password

Login

Forgot password?

OR

Register New Account

First Name

Enter first name

Last Name

Enter last name

Username

Choose a username

Email Address

Enter your email

Password

Create a password

Strong Password

Confirm Password

Confirm your password

By clicking Register, you agree to our [Terms of Service](#) and [Privacy Policy](#).

Register

OR

[Already have an account? Login](#)

RESULT:

Hence, to simulate the life cycle stages for UI design using the RAD model and to develop a small interactive interface using OpenProj has been successfully done.