

**EX.NO:5(b)**

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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.&quot;

- Track progress and resources.

### Step 5: Implementation

#### 1. Develop Functional Interface:

o Implement final designs and functionalities based on feedback.

#### 2. Integrate Backend (if required):

o 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.