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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.

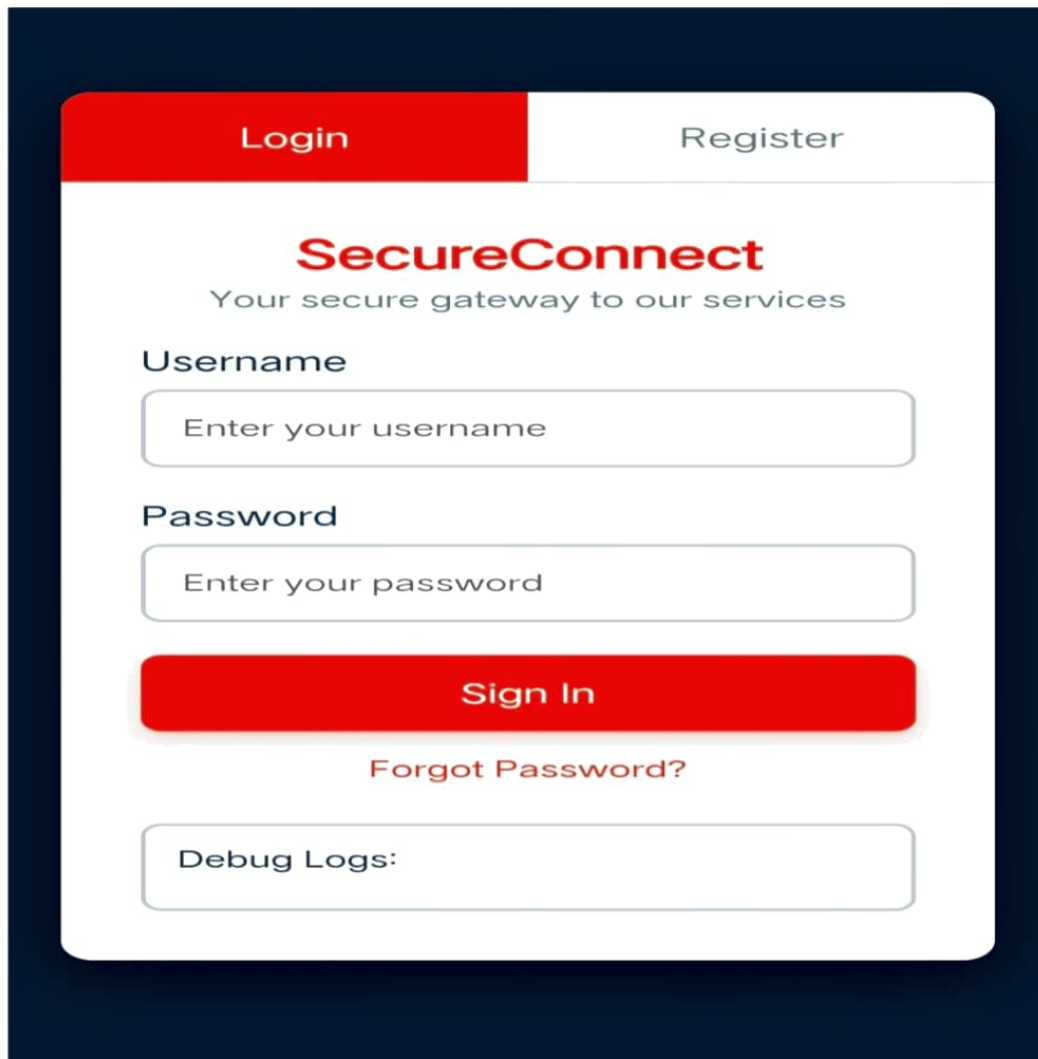
Step 5: Implementation**1. Develop Functional Interface:**

- Implement final designs and functionalities based on feedback.

2. Integrate Backend (if required):

o Connect the UI with backend services for tasks like user authentication.

OUTPUT:



The image shows a web form for 'SecureConnect'. At the top, there are two tabs: 'Login' (highlighted in red) and 'Register'. Below the tabs, the text 'SecureConnect' is displayed in a large, bold, red font, followed by the tagline 'Your secure gateway to our services' in a smaller, grey font. The form contains two input fields: 'Username' and 'Password', each with a placeholder text 'Enter your username' and 'Enter your password' respectively. Below the password field is a large red button labeled 'Sign In'. Underneath the button is a link 'Forgot Password?' in red text. At the bottom of the form is a text area labeled 'Debug Logs:'.

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.