

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:

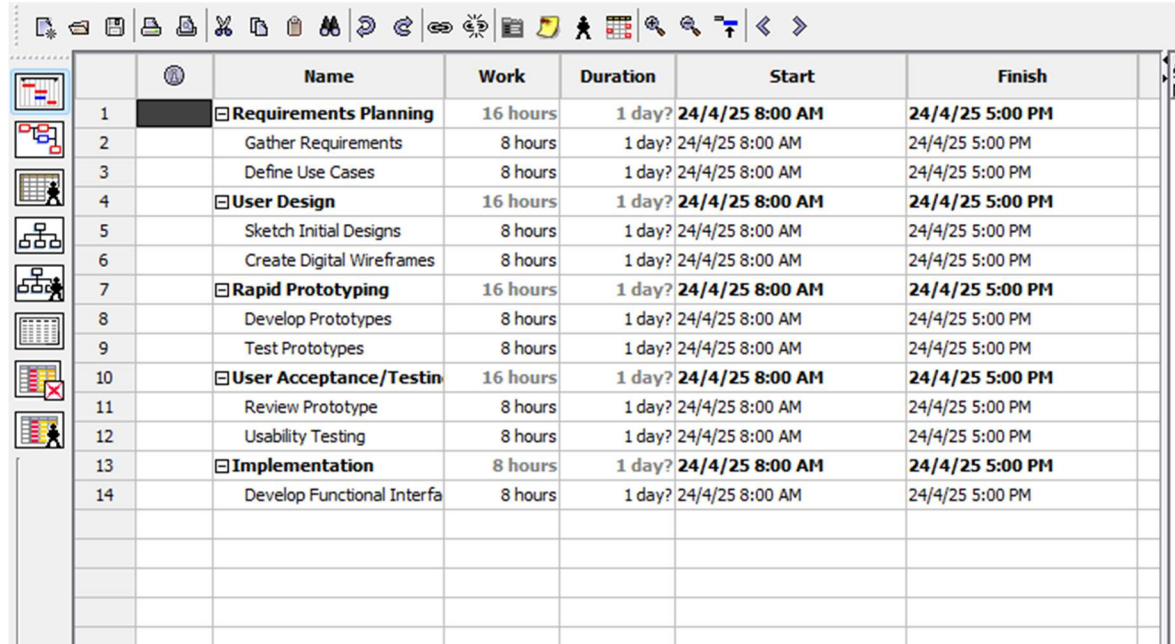
- Implement final designs and functionalities based on feedback.

2. Integrate Backend (if required):

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

UI Design using RAD Model *

OPENPROJ™ File Edit View Insert Tools Project Help



		Name	Work	Duration	Start	Finish
1		Requirements Planning	16 hours	1 day?	24/4/25 8:00 AM	24/4/25 5:00 PM
2		Gather Requirements	8 hours	1 day?	24/4/25 8:00 AM	24/4/25 5:00 PM
3		Define Use Cases	8 hours	1 day?	24/4/25 8:00 AM	24/4/25 5:00 PM
4		User Design	16 hours	1 day?	24/4/25 8:00 AM	24/4/25 5:00 PM
5		Sketch Initial Designs	8 hours	1 day?	24/4/25 8:00 AM	24/4/25 5:00 PM
6		Create Digital Wireframes	8 hours	1 day?	24/4/25 8:00 AM	24/4/25 5:00 PM
7		Rapid Prototyping	16 hours	1 day?	24/4/25 8:00 AM	24/4/25 5:00 PM
8		Develop Prototypes	8 hours	1 day?	24/4/25 8:00 AM	24/4/25 5:00 PM
9		Test Prototypes	8 hours	1 day?	24/4/25 8:00 AM	24/4/25 5:00 PM
10		User Acceptance/Testing	16 hours	1 day?	24/4/25 8:00 AM	24/4/25 5:00 PM
11		Review Prototype	8 hours	1 day?	24/4/25 8:00 AM	24/4/25 5:00 PM
12		Usability Testing	8 hours	1 day?	24/4/25 8:00 AM	24/4/25 5:00 PM
13		Implementation	8 hours	1 day?	24/4/25 8:00 AM	24/4/25 5:00 PM
14		Develop Functional Interface	8 hours	1 day?	24/4/25 8:00 AM	24/4/25 5:00 PM

Result

Therefore, the UI design lifecycle was recreated using the RAD model, and a small interactive interface was designed with OpenProj to illustrate the process.