

RAJALAKSHMI ENGINEERING COLLEGE

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**RAJALAKSHMI
ENGINEERING COLLEGE**

**CS23A34
USER INTERFACE AND DESIGN LAB**

Laboratory Observation NoteBook

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Semester : IV

Academic Year: 2024-25

Ex. No. : 5a

Date : 29.03.2025

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Simulate the lifecycle stages for UI design using the RAD model and develop a small interactive interface using

Axure RP

AIM:

The aim is to demonstrate the lifecycle stages of UI design via the RAD model and develop a small interactive interface employing Axure RP.

PROCEDURE:

Tool Link: <https://www.axure.com/>

Simulating the Lifecycle Stages for UI Design Using the RAD Model

RAD Model (Rapid Application Development): The RAD model emphasizes quick development and iteration. It consists of the following phases:

1. Requirements Planning:

- Gather initial requirements and identify key features of the UI.
- Engage stakeholders to understand their needs and expectations.

2. User Design:

- Create initial prototypes and wireframes.
- Conduct user feedback sessions to refine the designs.
- Use tools like Axure RP to develop interactive prototypes.

3. Construction:

- Develop the actual UI based on the refined designs.
- Perform iterative testing and feedback cycles.

4. Cutover:

- Deploy the final UI.
- Conduct user training and support.

Axure RP Interactive Interface Development

Phase 1: Requirements Planning

1. Identify Key Features:

- Navigation (Home, Product Categories, Product Details, Cart, Checkout,

Order Confirmation, Order History)

- User actions (Browsing, Searching, Adding to Cart, Checkout, Tracking Orders)

2. Create a Requirements Document:

- List all features and functionalities.

- Document user stories and use cases.

Phase 2: User Design

1. Install and Launch Axure RP:

- Download and install Axure RP from Axure's official website.

- Launch the application.

2. Create a New Project:

- Go to File -> New to create a new project.
- Name the project (e.g., "Shopping App Interface").

3. Create Wireframes:

- Use the widget library to drag and drop elements onto the canvas.
- Design wireframes for each screen:
 - Home Page
 - Product Categories
 - Product Listings
 - Product Details
 - Cart
 - Checkout
 - Order Confirmation
 - Order History

4. Add Interactions:

- Select an element (e.g., button) and go to the Properties panel.
- Click on Interactions and choose an interaction (e.g., OnClick).
- Define the action (e.g., navigate to another screen).

5. Create Masters:

- Create reusable components (e.g., headers, footers) using Masters.
- Drag and drop masters onto the wireframes.

6. Add Annotations:

- Add notes to describe each element's purpose and functionality.
- Use the Notes panel to add detailed annotations.

Phase 3: Construction

1. Develop Interactive Prototypes:

- Convert wireframes into interactive prototypes by adding interactions and transitions.
- Use dynamic panels to create interactive elements (e.g., carousels, pop - ups).

2. Test and Iterate:

- Preview the prototype using the Preview button.
- Gather feedback from users and stakeholders.
- Make necessary adjustments based on feedback.

Phase 4: Cutover

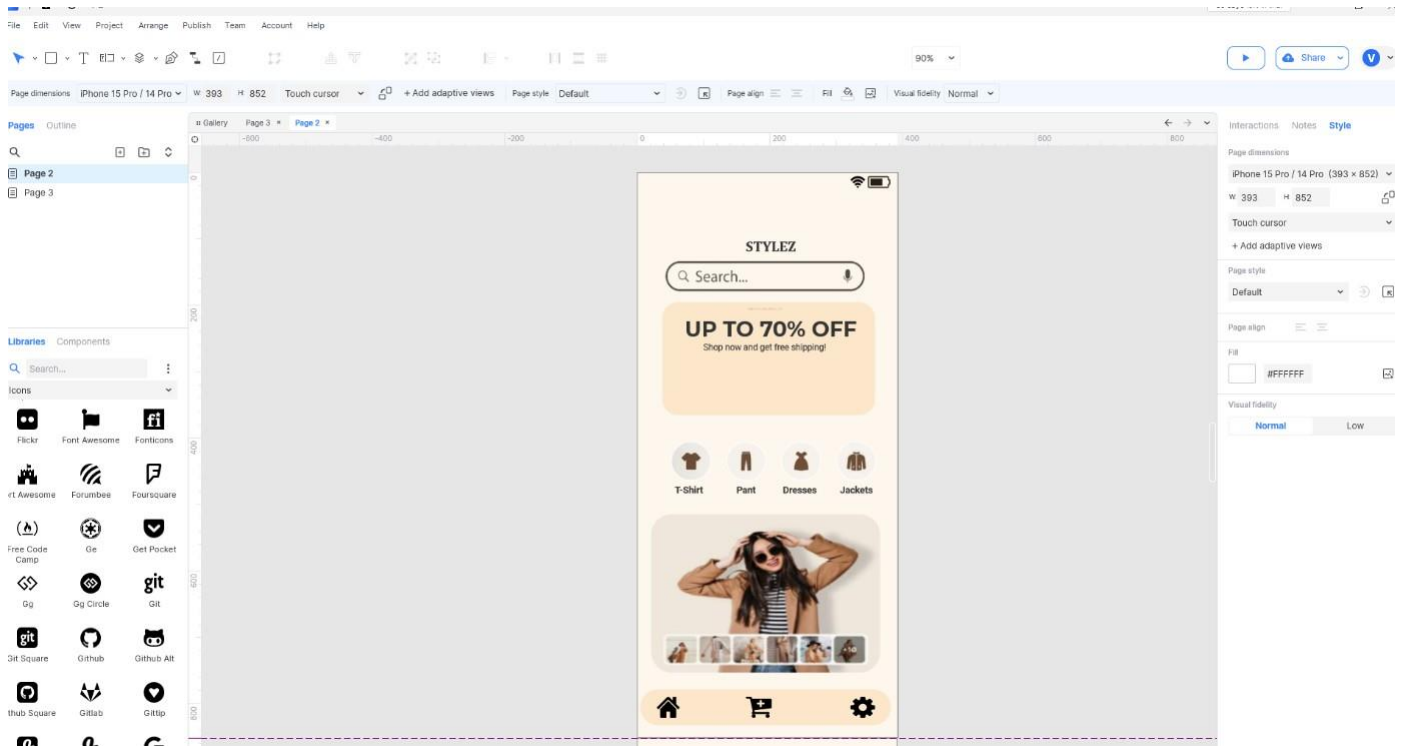
1. Finalize and Export:

- Finalize the design and interactions.
- Export the prototype as an HTML file or share it via Axure Cloud.

2. User Training and Support:

- Conduct training sessions to familiarize users with the new interface.
- Provide documentation and support for any issues.

OUTPUT:





Express checkout

shop Pay PayPal G Pay

OR

Contact information

Already have an account? [Log in](#)

Email

☐ Email me about new collections, special events, promotions and what's going on at Our Place.

By providing your email address, you agree to our [Terms of Service](#) and [Privacy Policy](#). You may unsubscribe at any time.

Shipping address

Country/region

First name Last name

Address

Apartment, suite, etc. (optional)

City State ZIP code

Phone (optional)

Home Cart Settings

ORDER CONFIRMATION

Veronica thank you for your order!

We've received your order and will contact you as soon as your package is shipped. You can find your purchase information below.

Order Summary

Discount
Price after discount

Product ID ID12345
Variant Variant Name
Vendor Vendor Name
Weight XX lbs/kg
Quantity 1

Home Cart Settings

RESULT:

Hence, demonstration of the lifecycle stages of UI design via the RAD model and develop a small interactive interface employing Axure RP.