

**RAJALAKSHMI ENGINEERING COLLEGE**

**RAJALAKSHMI NAGAR, THANDALAM – 602 105**



**RAJALAKSHMI  
ENGINEERING COLLEGE**

**CS23A34**

**USER INTERFACE AND DESIGN LAB**

**Laboratory Observation NoteBook**

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**Semester : IV**

# Academic Year: 2024-25

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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:

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

User Design:

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- Create initial prototypes and wireframes.

Conduct user feedback sessions to refine the designs.

- Use tools like Axure RP to develop interactive prototypes.
- Construction:
  - Develop the actual UI based on the refined designs.
  - Perform iterative testing and feedback cycles.
- Cutover:
  - Deploy the final UI.
  - Conduct user training and support.

## **Axure RP Interactive Interface Development**

### **Phase 1: Requirements Planning**

- 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)
- Create a Requirements Document:
  - List all features and functionalities.
  - Document user stories and use cases.

## **Phase 2: User Design**

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Install and Launch Axure RP:

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

Launch the application.

- Create a New Project:
- Go to File -> New to create a new project.
- Name the project (e.g., "Shopping App Interface").
- 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
- 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).
- Create Masters:
- Create reusable components (e.g., headers, footers) using Masters.

Drag and drop masters onto the wireframes.

Add Annotations:

Add notes to describe each element purpose and functionality.

- Use the Notes panel to add detailed annotations.

### **Phase 3: Construction**

- 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).
- 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**

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

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

## OUTPUT:



## PRODUCT DETAILS



### Whopper

Dive into the history and popularity of Burger King's flagship burger, the Whopper, known for its flame-grilled beef patty, fresh toppings, and the signature King-sized bun.



### Chicken Whopper

₹209  60% OFF USE STEAL...

★ 4.2 (811)

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## **RESULT:**

Demonstration of the lifecycle stages of UI design via the RAD model and development of a small interactive interface employing Axure RP has been successfully completed.