

RAJALAKSHMI ENGINEERING COLLEGE

RAJALAKSHMI NAGAR, THANDALAM – 602 105



RAJALAKSHMI
ENGINEERING COLLEGE

CS23A34

USER INTERFACE AND DESIGN LAB

Laboratory Observation NoteBook

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Ex. No. : 6a

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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

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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:

- 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.

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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.