# 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

**Ex. No. : 5a**

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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:

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

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**

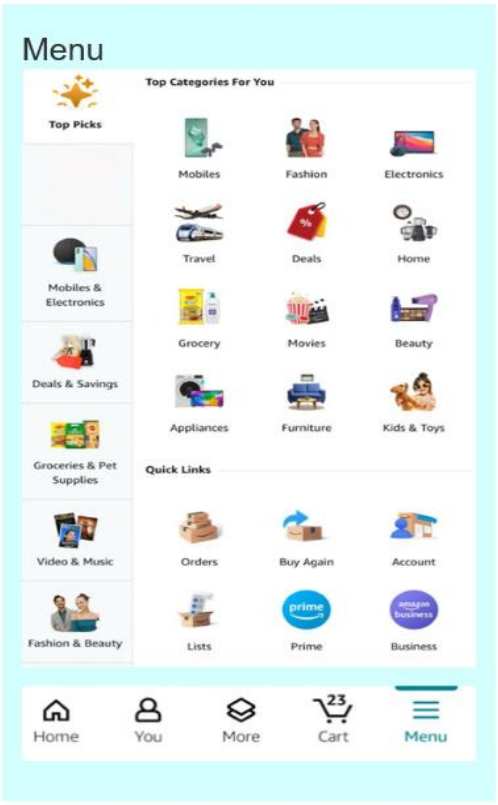
1. Develop Interactive Prototypes:
    - Convert wireframes into interactive prototypes by adding interactions and transitions.
    - Use dynamic panels to create interactive elements (e.g., carousels, pop-ups).
2. Test and Iterate:
    - Preview the prototype using the Preview button.
    - Gather feedback 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:


Search or ask a question
Treands
Just Launched
SAMSUNG
Galaxy Tab S10 FE
Starting at ₹3,250/month*
with up to ₹4,000 off^
Deals for you
Home
You
More
Cart
Menu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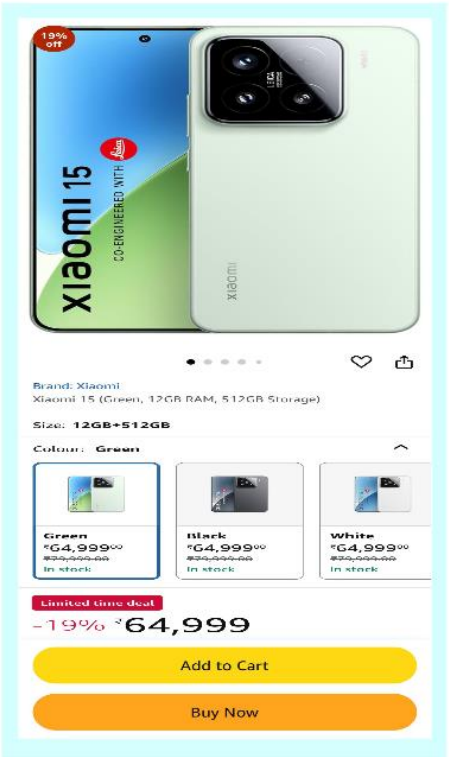
Top Picks
Top Categories For You
Mobiles
Fashion
Electronics
Travel
Deals
Home
Mobiles & Electronics
Grocery
Movies
Beauty
Deals & Savings
Appliances
Furniture
Kids & Toys
Groceries & Pet Supplies
Quick Links
Video & Music
Orders
Buy Again
Account
Fashion & Beauty
Lists
Prime
Business
Home
You
More
Cart
Menu


19% off
XIAOMI 15
CO-ENGINEERED WITH
Brand: Xiaomi
Xiaomi 15 (Green, 12GB RAM, 512GB Storage)
Size: 12GB+512GB
Colour: Green
Green
₹64,999⁰⁰
In stock
Black
₹64,999⁰⁰
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White
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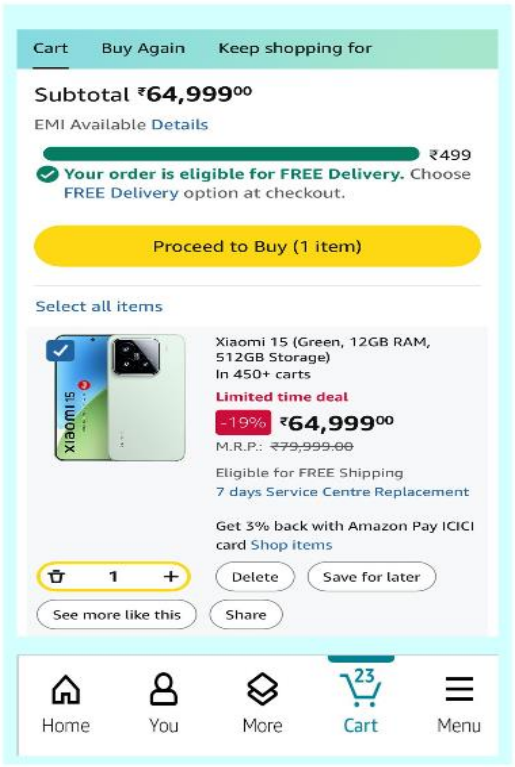
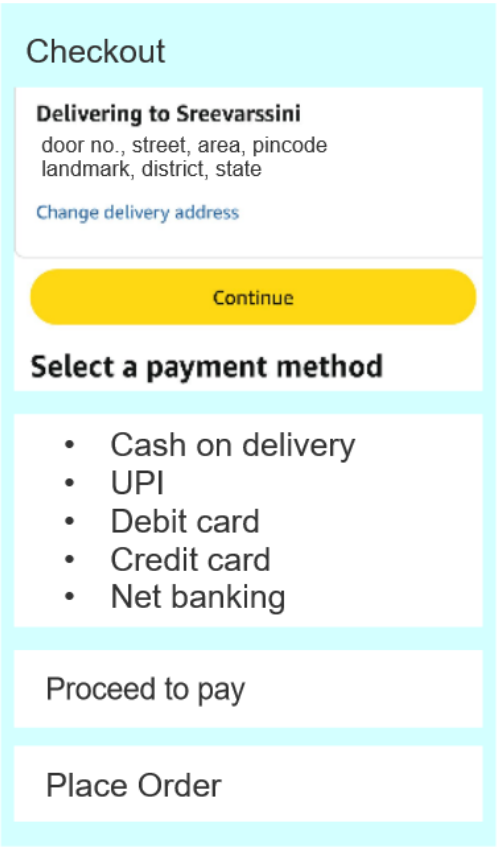
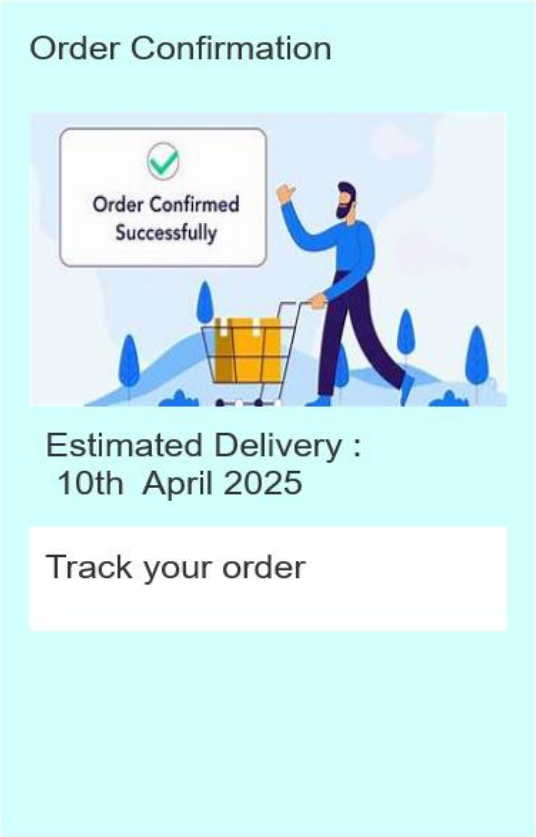
In stock
Limited time deal
-19% ₹64,999
Add to Cart
Buy Now


Cart
Buy Again
Keep shopping for
Subtotal ₹64,999⁰⁰
EMI Available Details
₹499
Your order is eligible for FREE Delivery. Choose FREE Delivery option at checkout.
Proceed to Buy (1 item)
Select all items
Xiaomi 15 (Green, 12GB RAM, 512GB Storage)
In 450+ carts
Limited time deal
-19% ₹64,999⁰⁰
M.R.P.: ₹79,999.00
Eligible for FREE Shipping
7 days Service Centre Replacement
Get 3% back with Amazon Pay ICICI card Shop items
1
Delete
Save for later
See more like this
Share
Home
You
More
Cart
Menu




## Result:

Hence the task analysis and documentation for a online shopping app has been successfully done with the help of Dia.