

**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

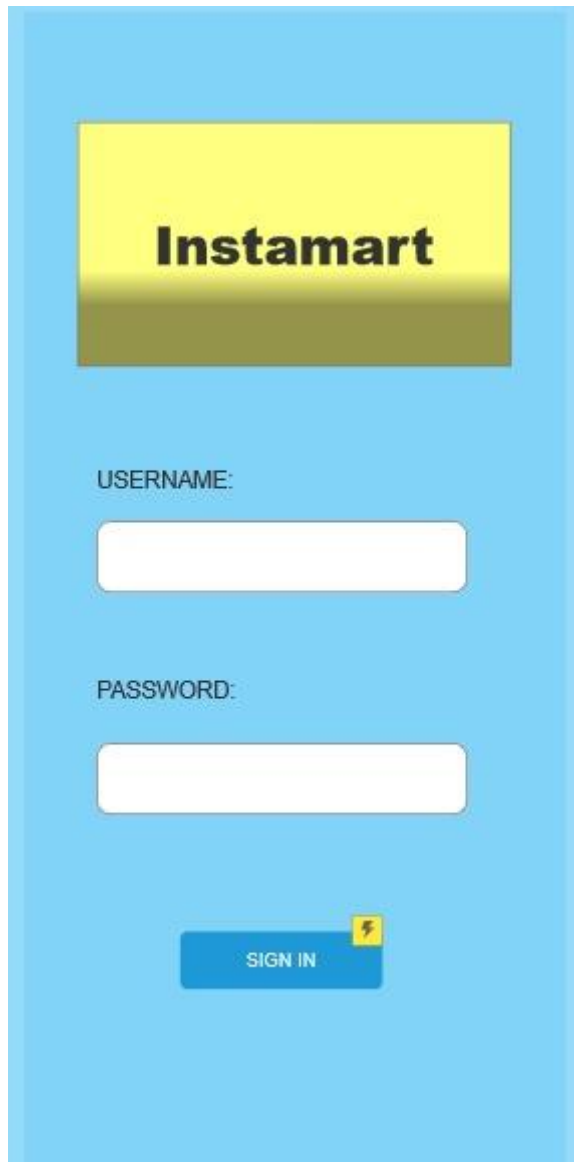
1. Finalize and Export:

- 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:



The image shows a login form for 'Instamart' on a light blue background. At the top, the word 'Instamart' is displayed in bold black text on a yellow-to-gold gradient rectangular button. Below this, the label 'USERNAME:' is positioned above a white rectangular input field with rounded corners and a thin grey border. Further down, the label 'PASSWORD:' is positioned above another identical white rectangular input field. At the bottom of the form, there is a blue rectangular button with rounded corners containing the text 'SIGN IN' in white. A small yellow square icon with a black lightning bolt is located to the right of the 'SIGN IN' button.

Instamart



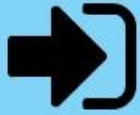
Desktop



Mobiles



**Foods and
beverages**



Order Confirmation

Product Name:



ORDER HISTORY



**GALAXY TURBO
DESKTOP 6**



IQOO NEO 10R



Mobiles



OPPO A59 5G



**SAMSUNG S25
ULTRA**



**VIVO X-200
PRO 5G**



TABLETS



MI TABLET PRO 5G



SAMSUNG TAB 6G



OPPO TAB 45T

Back



Order Confirmation

Product Name:

order now



Order History



OPPO A59 5G



10TH MATHS TEXTBOOK



[Move to home page](#)

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.