

# **RAJALAKSHMI ENGINEERING COLLEGE**

**RAJALAKSHMI NAGAR, THANDALAM – 602 105**



**RAJALAKSHMI  
ENGINEERING COLLEGE**

**CS23A34  
USER INTERFACE AND DESIGN LAB**

**Laboratory Observation NoteBook**

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**Conduct task analysis for an app (e.g., online shopping) and document user flows. Create corresponding wireframes using Lucidchart**

### **AIM:**

To understand and document the steps a user takes to complete the main tasks within

an online shopping app.

Tool Link: <https://www.lucidchart.com/pages/>

### **PROCEDURE:**

Step 1: Assigning Tasks

1. Browsing Products
2. Searching for a Specific Product
3. Adding a Product to the Cart
4. Checking Out

Step 2: Document User Flows

1. Browsing Products

1. Home Screen: User lands on the home page with product categories.
2. Product Categories: User taps on a category to view products.
3. Product List: User scrolls through the product list.
4. Product Details: User taps on a specific product to see details.

□ Home Screen - Product Categories - Product List -Product Details

## □ 2. Searching for a Specific Product

1. Search: User taps the search bar or icon.
2. Enter Query: User types the product name or keyword.
3. Search Results: User reviews matching items.
4. Product Details: User taps on a specific product to see details.

□ Search - Enter Query - Search Results -Product Details

## □ 3. Adding a Product to the Cart

1. View Products: User browses or searches for a product.
2. Product Details: User taps on the product to see more info.
3. Add to Cart: User clicks Add to Cart.

□ View Products - Product Details Add to Cart

#### □ 4. Checking Out

1. Open Cart: User taps on the cart icon.
2. Review Cart: User checks all products.
3. Proceed to Checkout: User clicks Checkout.
4. Enter Shipping Info: User provides shipping details.
5. Enter Payment Info: User provides payment details.
6. Place Order: User clicks Place .

□ Open Cart - Review Cart - Proceed to Checkout Enter Shipping Info Enter

Payment Info - Place Order

#### □ Step-by-Step Procedure to Create User Flows in Lucidchart

##### 1. Create a New Document

- Go to Lucidchart and sign in or sign up if you don't have an account.
- Click on + Document or Create New Diagram.

##### 2. Select a Template

- You can start with a blank document or select a flowchart template.

- For this example, let's start with a blank document.

### 3. Add Shapes for Each Step

- Drag and drop shapes from the left sidebar to represent different steps in your flow (e.g., rectangles for actions, diamonds for decisions).

- Name each shape based on the steps from the task analysis:

- Login/Register
- Browsing Products
- Adding Products to Cart
- Managing Cart
- Checkout Process
- Tracking Orders

### 4. Connect the Shapes

- Use connectors to link the shapes, indicating the flow from one step to the next.
- Add arrows to show the direction of the flow.

### 5. Add Details to Each Step

- Double-click on each shape to add text describing the action or decision.
- For example, for the Login/Register step, you might add:

- Open the app
- Click on Sign Up or Login
- Enter details (username, email, password)
- Click Submit
- Verification through email or phone (if required)
- Redirect to the home screen upon successful login

## 6. Use Different Shapes for Different Actions

- Use rectangles for general actions.
- Use diamonds for decision points (e.g., Is the user logged in?).
- Use ovals for start and end points.

## 7. Customize and Organize Your Flowchart

- Arrange the shapes and connectors logically.
- Use different colors to distinguish between types of steps or user roles.
- Group related steps into sections for better clarity.

## 8. Review and Save Your Flowchart

- Review the flowchart to ensure all steps are included and connected correctly.

- Save your flowchart by clicking on File Save.

## 9. Share and Collaborate

- Click on the Share button to collaborate with others.

- You can also export your flowchart as an image or PDF for presentation

purposes.

## **Example Flowchart Breakdown:**

### **Login/Register Flow**

- Steps:

- Open the app

- Click on Login or Register

- Enter details

- Verify (if required)

- Redirect to the home screen

### **Browse and Search Flow**

- Steps:

- Navigate to categories or use search bar
- Apply filters/sorting options
- View product details

## **Add to Cart Flow**

- Steps:

- View product details
- Select options (size, color, quantity)
- Add product to cart

## **Checkout Flow**

- Steps:

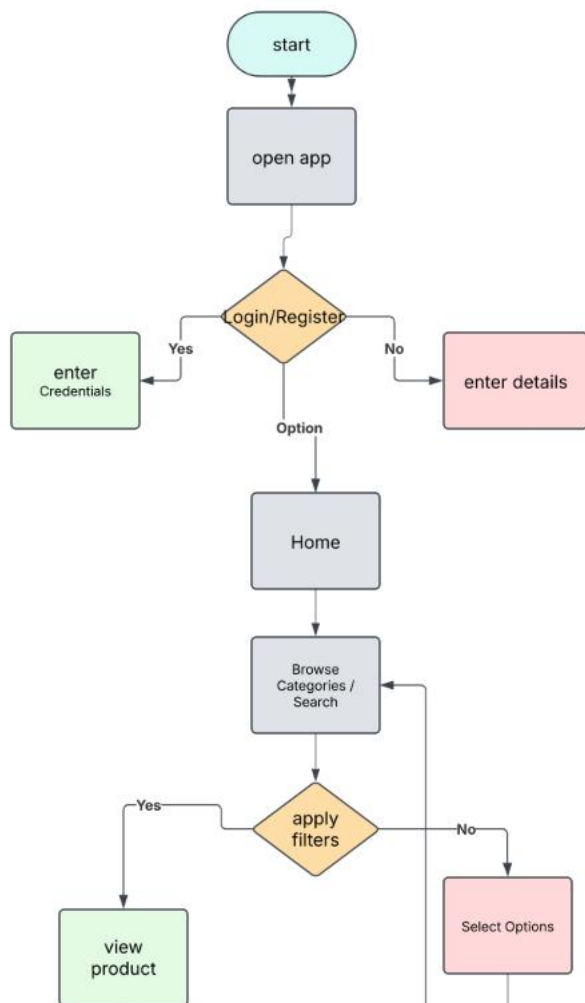
- Review cart
- Proceed to checkout
- Enter shipping information
- Select payment method
- Confirm and place order

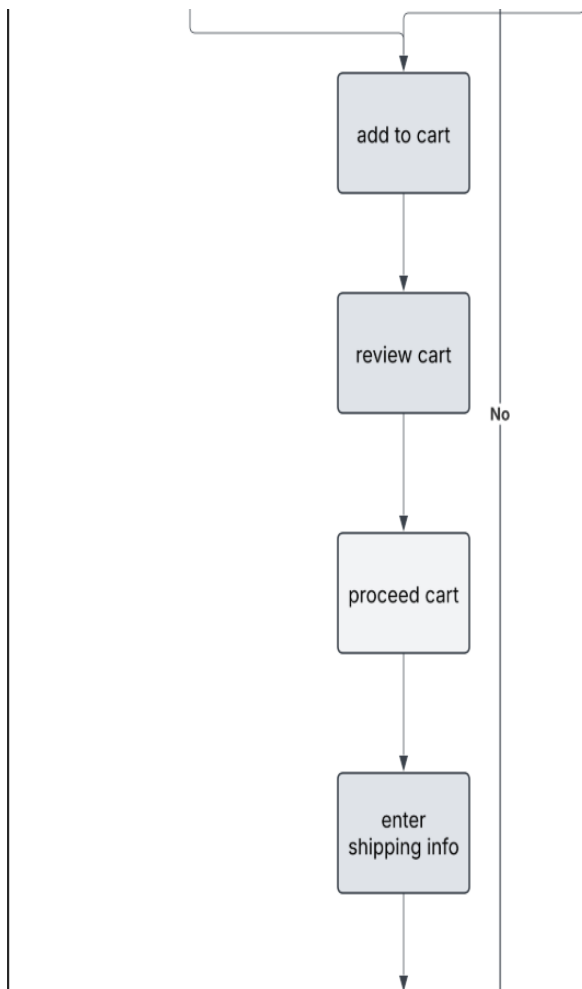


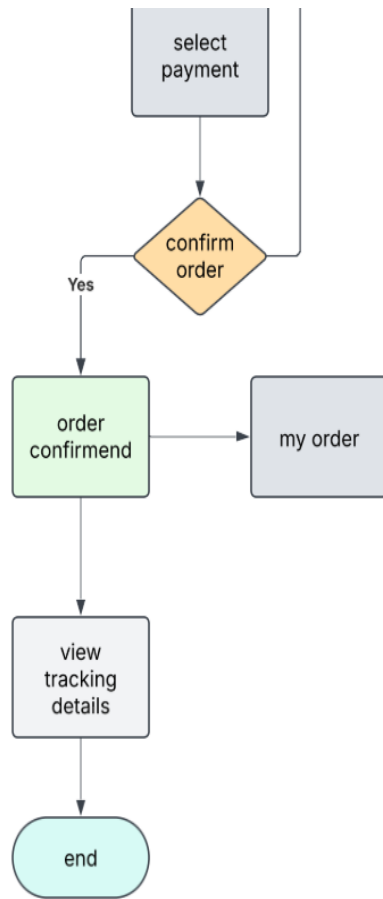
## **Order Tracking Flow**

- Steps:
  - Navigate to My Orders
  - Select order to track
  - View tracking details

## **Output:**







**Result:**

**The experiment was conducted successfully.**