

# **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.

### **PROCEDURE:**

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

#### **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 Order”

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

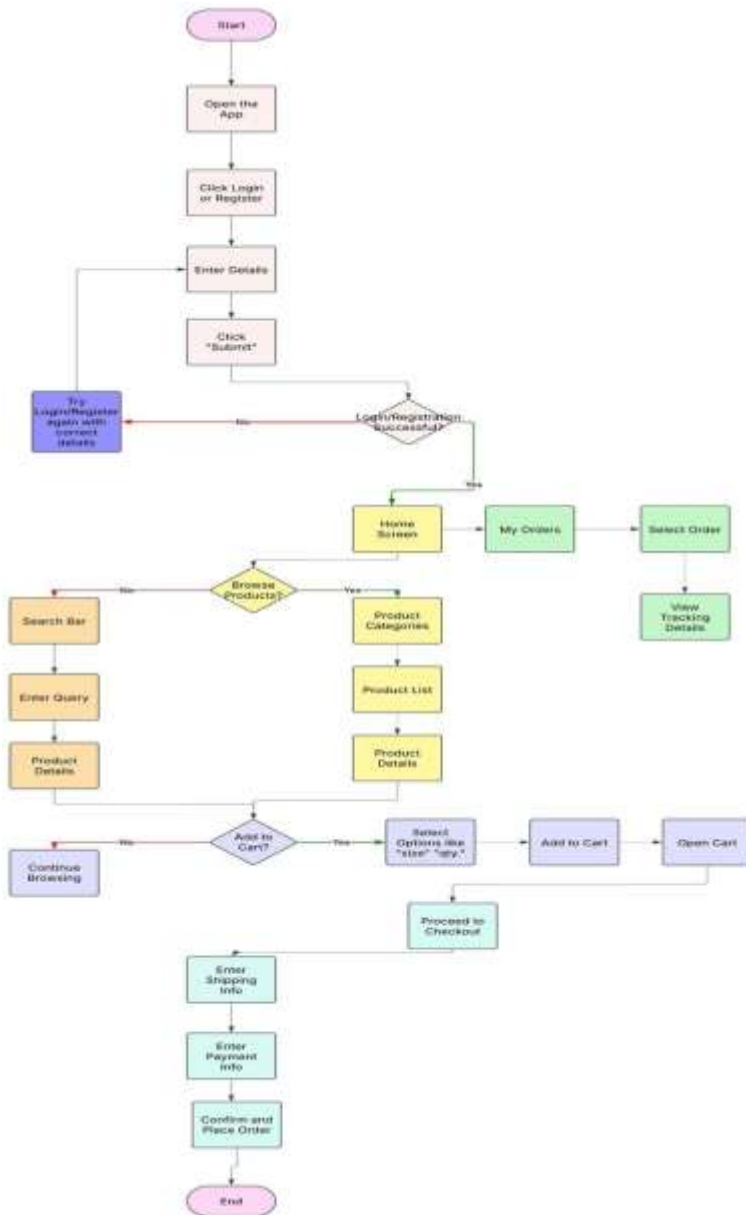
#### Checkout Flow

- 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:

Task analysis for an online shopping app has been conducted to document user flows and corresponding wireframes using Lucidchart has been successfully created.