

## Exercise 6:

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 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

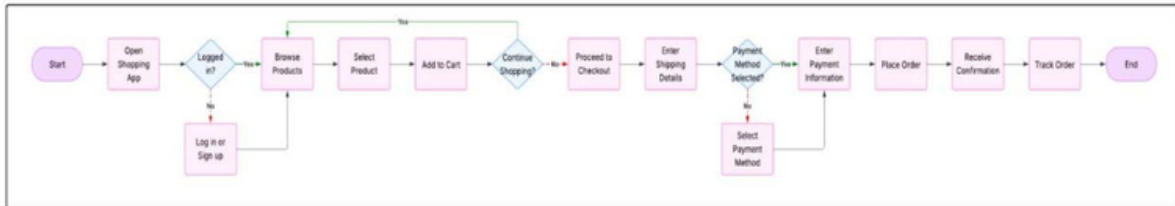
#### Order Tracking Flow

● Steps:

- ☐ Navigate to "My Orders"
- ☐ Select order to track
- ☐ View tracking details

#### OUTPUT:

# Online shopping App



RESULT:  
The output was verified successfully.