# RAJALAKSHMI ENGINEERING COLLEGE

RAJALAKSHMI NAGAR, THANDALAM - 602 105



## CS23A34 USER INTERFACE AND DESIGN LAB

**Laboratory Observation NoteBook** 

Name: SREYA G

Year/Branch/Section: II/CSE/D

**Register No.:** 230701334

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Ex. No.: 4a

Register No.: 230701334 Name: SREYA G

# 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:**

### **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:
  - o Open the app
  - Click on "Sign Up" or "Login"
  - o Enter details (username, email, password)
  - o Click "Submit"
  - Verification through email or phone (if required)
  - o 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

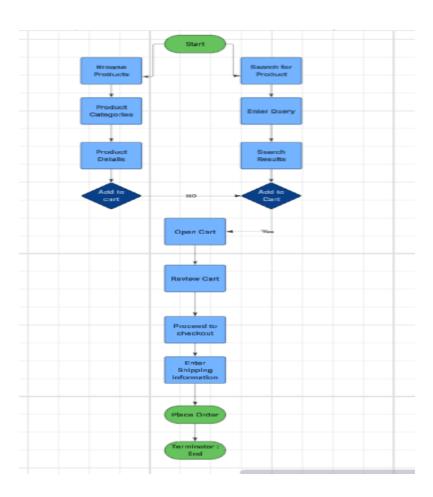
## Checkout Flow

- 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:**

Hence conducted the task analysis for an app (e.g., online shopping) and documented the user flows. Created corresponding wireframes using Lucidchart has been successfully done.

<u>LINK</u>: https://lucid.app/lucidchart/33506edd-f02c-4927-8690-64a582109bc7/edit?viewport\_loc=-1023%2C-39%2C4584%2C2003%2C0\_0&invitationId=inv\_f13c88b5-da2b-4dcd-aae4-f5533e499d2e