

**EX NO:4a**

**Date:**

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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 -&gt; Product Categories -&gt; Product List -&gt; 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 -&gt; Enter Query -&gt; Search Results -&gt; 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 &quot;Add to Cart&quot;.

☞View Products -&gt; Product Details -&gt; 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 &quot;Checkout&quot;.
4. Enter Shipping Info: User provides shipping details.
5. Enter Payment Info: User provides payment details.
6. Place Order: User clicks &quot;Place Order&quot;.

☞Open Cart -&gt; Review Cart -&gt; Proceed to Checkout -&gt; Enter Shipping Info -&gt; Enter

Payment Info -&gt; 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 &quot;Sign Up&quot; or &quot;Login&quot;;
- Enter details (username, email, password)
- Click &quot;Submit&quot;;
- 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., &quot;Is the user logged in?&quot;).
- 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 -&gt; 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 &quot;Login&quot; or &quot;Register&quot;
- 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:

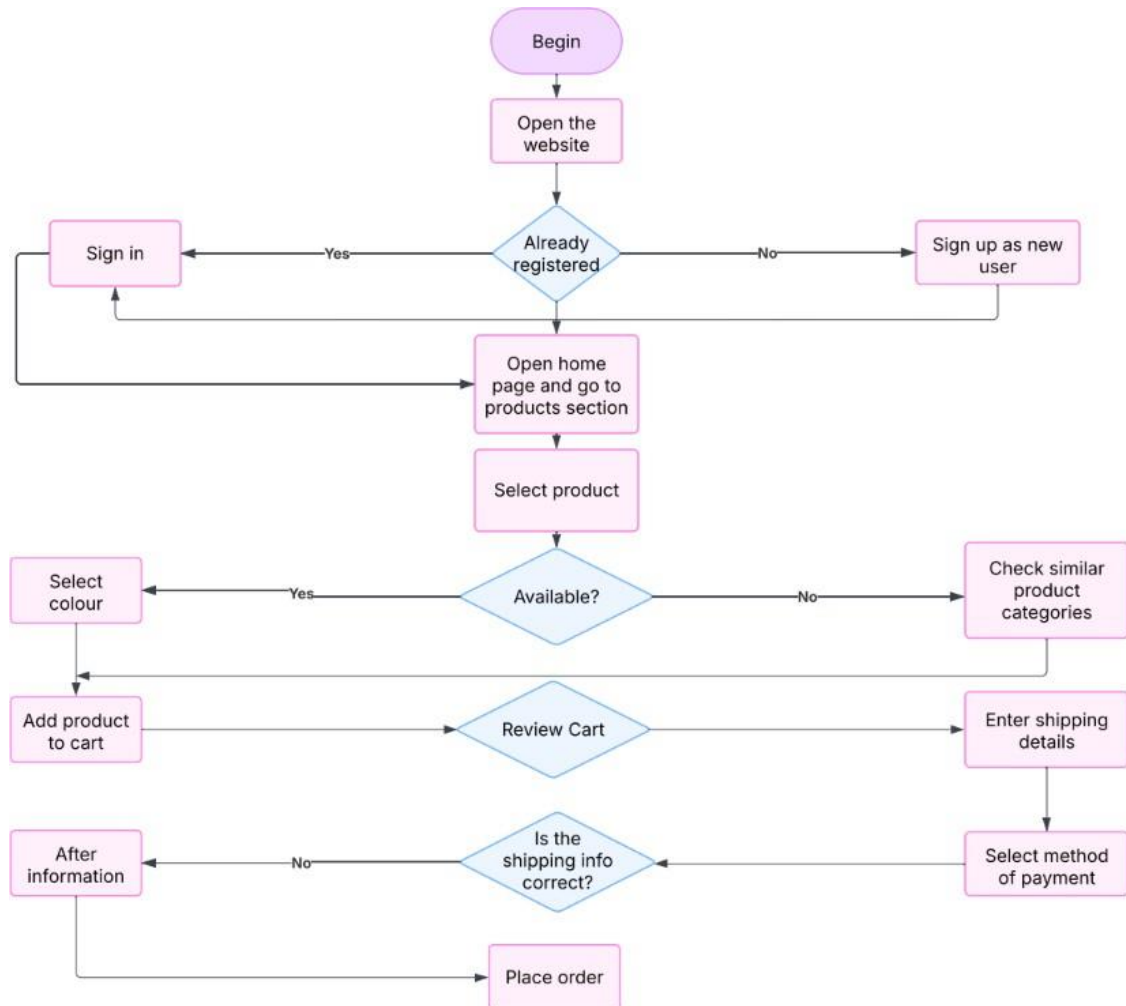
- Review cart
- Proceed to checkout
- Enter shipping information
- Select payment method
- Confirm and place order

## **Order Tracking Flow**

- Steps:

- o Navigate to &quot;My Orders&quot;
- o Select order to track
- o View tracking details

## OUTPUT:



## RESULT:

Hence , to understand & document the steps a user takes to complete the tasks in a shopping app using Lucidchart has been done successfully