

## 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: Authentication Flow:

- Users start by logging in or registering
- New users go through a profile setup process
- Existing users land directly on the dashboard

#### STEP 2: Main Dashboard Interactions:

- Add expenses manually
- Import expenses from bank statements or CSV
- Manage expense categories
- View reports and analytics
- Set and manage budgets
- Access app settings

#### STEP 3: Additional Features:

- Create and manage expense categories
- Apply filters to reports
- Edit profile

- Manage notification preferences
- Adjust security settings<sup>4</sup>

STEP 4: Each action returns to the dashboard

STEP 5: Option to logout

## 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)

### 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:

### 1. Entry Point

- New users go through registration and profile setup
- Existing users directly log in

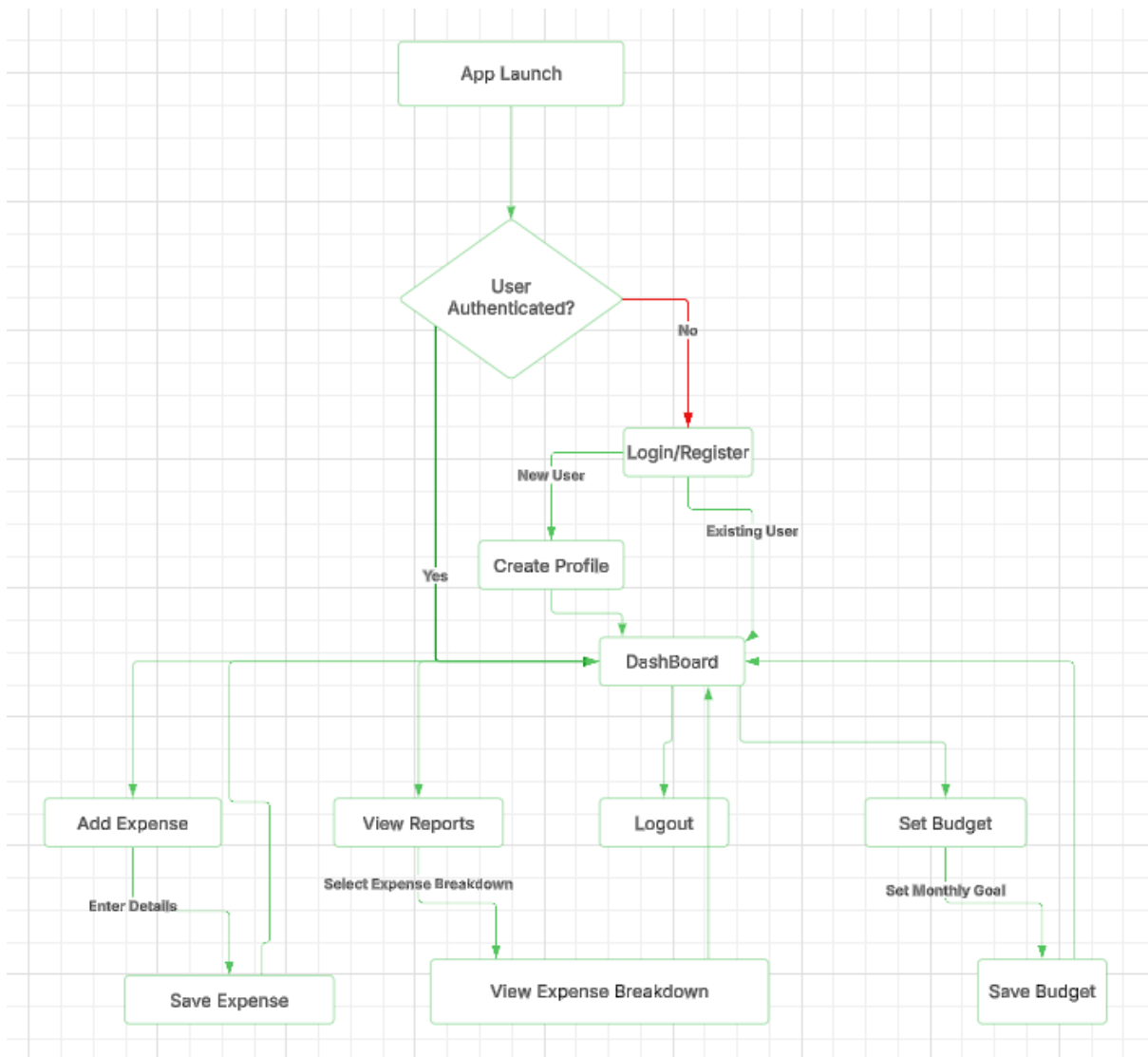
### 2. Dashboard Actions

- Add Expense
- View Reports
- Set Budget
- Manage Categories
- Receive Notifications
- Access Settings

### 3. Detailed Flows

- Expense Entry: Category selection, amount, receipt
- Reports: Monthly, yearly, category-based breakdowns
- Budget: Set limits, assign categories

- Category Management: Add/edit categories
- Notifications: Budget alerts, expense reminders
- Settings: Profile editing, security, data export



[https://lucid.app/lucidchart/aa279af8-2dde-43ea-a987-d87bd3980575/edit?viewport\\_loc=-1970%2C-107%2C3233%2C1408%2C0\\_0&invitationId=inv\\_72c38cbd-8e94-492d-9d75-621461a824bf](https://lucid.app/lucidchart/aa279af8-2dde-43ea-a987-d87bd3980575/edit?viewport_loc=-1970%2C-107%2C3233%2C1408%2C0_0&invitationId=inv_72c38cbd-8e94-492d-9d75-621461a824bf)

