# Simple Style app

## Worked by:

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- **Project introduction:**

The "Simple Style app"

is a specialized digital store for selling shoes, allowing users to explore nd purchase a variety of footwear for women, men, and children. The app provides a wide range of shoes, users can find footwear suitable for all occasions and uses, whether they are athletic, casual, or elegant. The app also features a seamless and convenient shopping experience.

- **Application Data:**

**1-Women Data**

```
[
    {
        "id": "1",
        "name": "shoes1",
        "price": 20.0,
        "image": "https://example.com/yellow_rose.jpg"
    },
    {
        "id": "2",
        "name": "shoes2 ",
        "price": 20.0,
        "Image": "https://example.com/red_rose.jpg"
    },
    {
        "id": "3",
        "name": "shoes1",
        "price": 20.0,
        "Image": "https://example.com/white_rose.jpg"
    },
    {
        "id": "4",
        "name": "shoes3 ",
        "price": 20.0,
        "Image": "https://example.com/white_rose.jpg"
    }
]
```

2-Man Data

```
[
    {
        "id": "1",
        "name": "shoes1",
        "price": 20.0,
        "image": "https://example.com/yellow_rose.jpg"
    },
    {
        "id": "2",
        "name": "shoes2 ",
        "price": 20.0,
        "Image": "https://example.com/red_rose.jpg"
    },
    {
        "id": "3",
        "name": "shoes1",
        "price": 20.0,
        "Image": "https://example.com/white_rose.jpg"
    },
    {
        "id": "4",
        "name": "shoes3 ",
        "price": 20.0,
        "Image": "https://example.com/white_rose.jpg"
    }
]
```

3-Kids Data

```
[
    {
        "id": "1",
        "name": "shoes1",
        "price": 20.0,
        "image": "https://example.com/yellow_rose.jpg"
    },
    {
        "id": "2",
        "name": "shoes2 ",
        "price": 20.0,
        "Image": "https://example.com/red_rose.jpg"
    },
    {
        "id": "3",
        "name": "shoes1",
        "price": 20.0,
        "Image": "https://example.com/white_rose.jpg"
    },
    {
        "id": "4",
        "name": "shoes3 ",
        "price": 20.0,
        "Image": "https://example.com/white_rose.jpg"
    }
]
```

## 4- Offer Page Data

```
[
    {
        "id": "1",
        "name": "Pink heels",
        "price": 20.0,
        "image": "https://example.com/yellow_rose.jpg"
    },
    {
        "id": "2",
        "name": "shoes2 ",
        "price": 20.0,
        "Image": "https://example.com/red_rose.jpg"
    },
    {
        "id": "3",
        "name": "shoes1",
        "price": 20.0,
        "Image": "https://example.com/white_rose.jpg"
    },
    {
        "id": "4",
        "name": "shoes3 ",
        "price": 20.0,
        "Image": "https://example.com/white_rose.jpg"
    }
]
```

- **Explanation of the code:**
  - **Note: The code is in this link**
  - **https://github.com/Ssara0056700/flutter-1-project-web**

1. **Imports and Main Function**:

   - Import necessary packages for Flutter development.

   - **main()** function is the entry point of the Flutter app. It calls **runApp()** to start the app and passes an instance of **MyApp**.

2. **MyApp Class**:

   - **MyApp** is a StatelessWidget representing the root of the application.

   - It returns a MaterialApp which provides the basic structure for the app.

   - The home property is set to **HomePage**, which is the initial screen of the app.

3. **HomePage Class**:

   - **HomePage** is a StatelessWidget representing the main screen of the app.

   - It displays a Scaffold with a background color and a body consisting of several widgets like **Image**, **Text**, and **ElevatedButton**.

   - Each button is associated with a route to navigate to different pages when clicked.

4. **LoginPage Class**:

   - **LoginPage** is a StatelessWidget representing the login page of the app.

   - It displays a Scaffold with a background color and a body consisting of **Image**, **Text**, **TextField**, and **ElevatedButton** widgets for user authentication.

   - It contains logic for handling user login.

5. **SignUpPage Class**:

   - **SignUpPage** is a StatelessWidget representing the sign-up page of the app.

   - It displays a Scaffold with a background color and a body consisting of **Image**, **Text**, **TextField**, and **ElevatedButton** widgets for user registration.

   - It contains logic for handling user sign-up.

6. **AboutUsPage Class**:

   - **AboutUsPage** is a StatelessWidget representing the "About Us" page of the app.

   - It displays a Scaffold with an app bar and a body consisting of **Image** and **Text** widgets providing information about the app.

7. **CategoriesPage Class**:

- **CategoriesPage** is a StatelessWidget representing the page where users can choose different categories of products.

- It displays a list of categories (Women, Men, Kids) as buttons.

- Each button is associated with a route to navigate to corresponding category pages.

8. **WomenPage, MenPage, KidsPage Classes**:

- These classes represent pages displaying products for different categories (Women, Men, Kids).

- Each page displays a list of products with their images, names, prices, and an "Add to Cart" button.

- The products are hardcoded in this example, but typically would be loaded dynamically from a database or API.

9. **CartPage Class**:

- **CartPage** displays the products added to the cart.

- It shows a list of products with a "Remove" button for each product to remove it from the cart.

10. **OffersPage Class**:

- **OffersPage** displays special offers on products.

- It shows a list of products with discounted prices and a "Buy Now" button for each product.
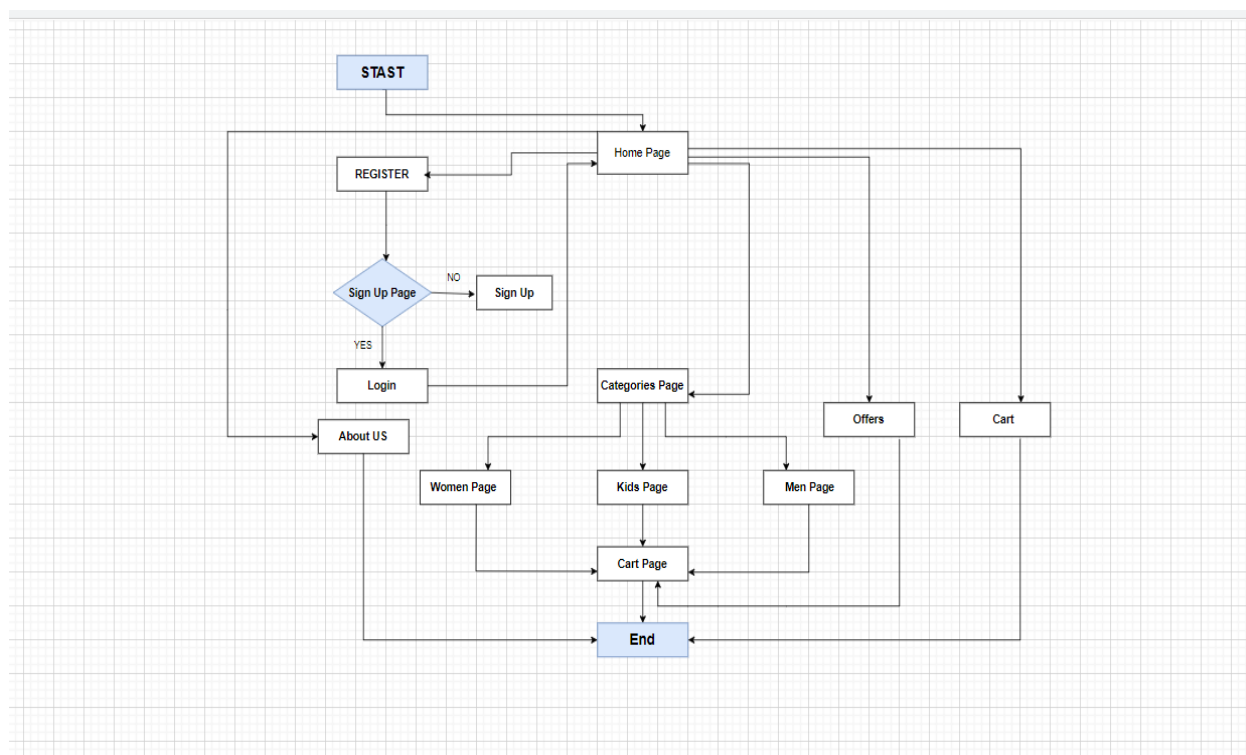
11. **OfferItem Class**:

- **OfferItem** is a custom widget representing an individual product item in the offers page.

- It displays the product image, name, offer price, original price, and a "Buy Now" button.
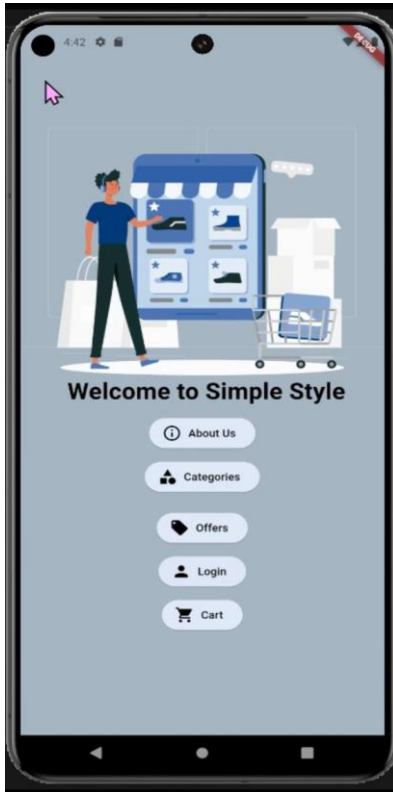
12. **Data Models and Loaders**:

- Classes like **Women**, **Men**, **Kid** represent the data models for products in different categories.

- **loadWomen()**, **loadMen()**, and **loadKid()** functions load product data from JSON files.

- These functions are used to load product data dynamically.

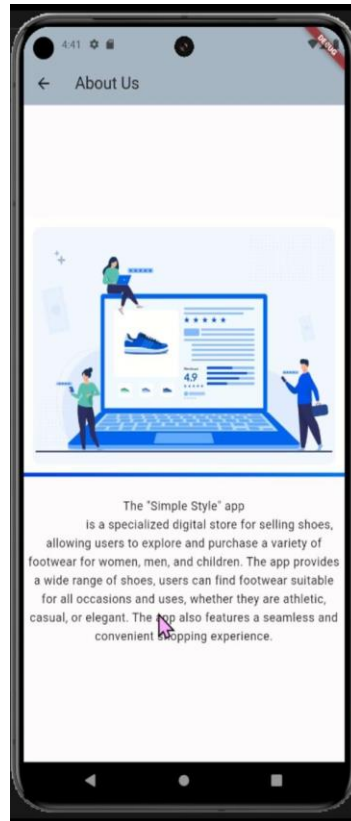- **Application flow chart:**

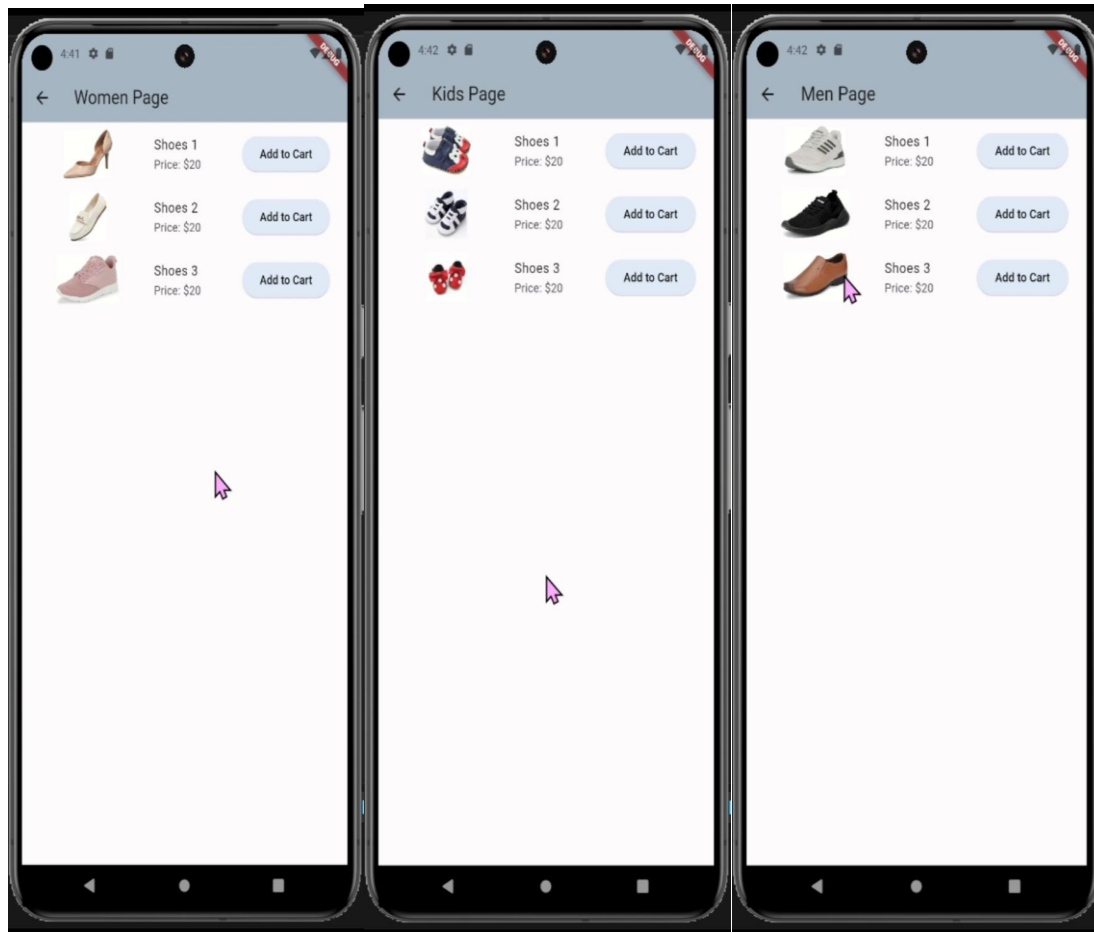- **The way the application  simple  Style works  :**



- On this main page of the application, several options appear for the user, and he then chooses what he wants.
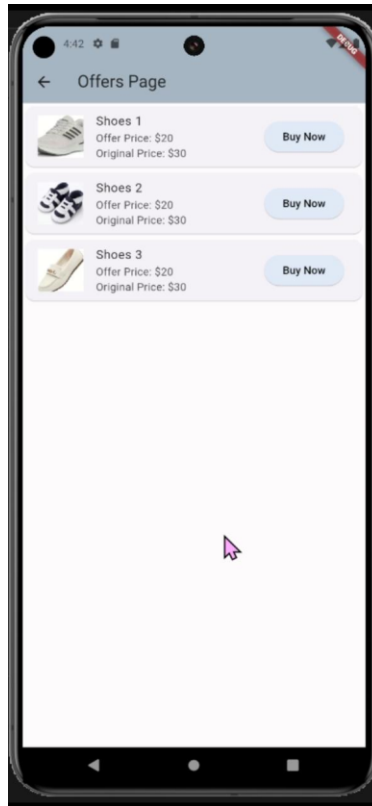
9

- Here the first option (About Us) appears from the home page, showing a definition of the application for the user.
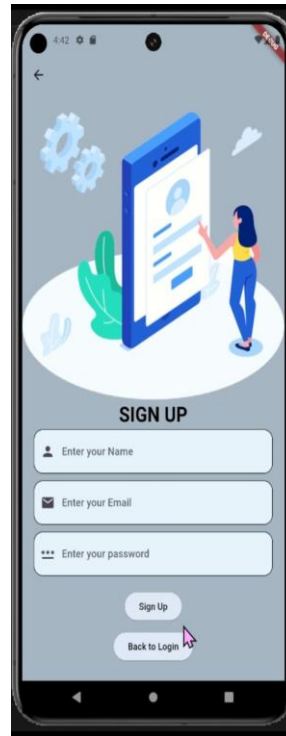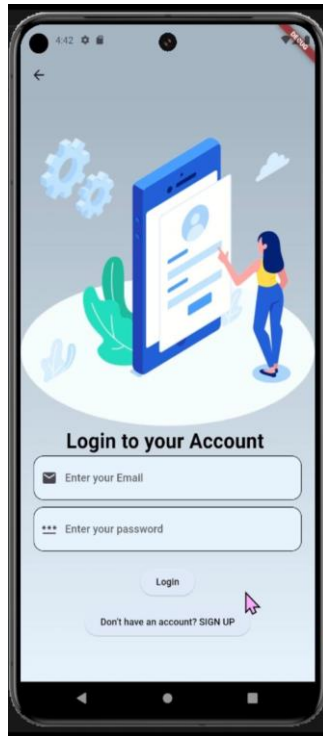
- Here is the second option (Choose a category) from the main page. On this page, several options appear, so the user chooses what he wants to buy.
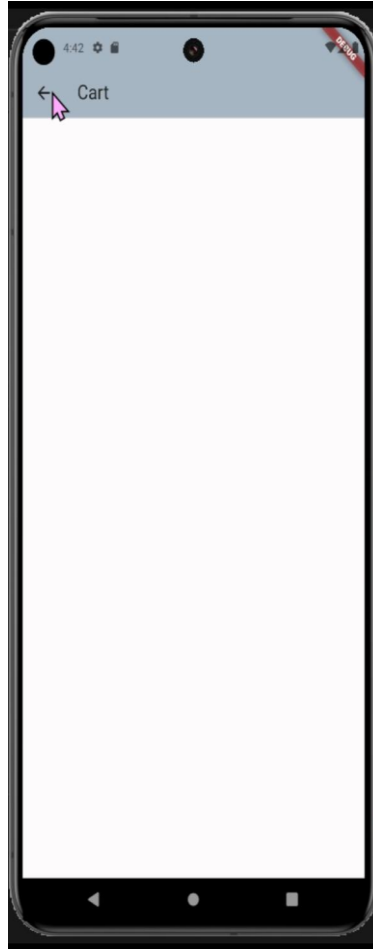
- Here, after the user chooses the option he wants from the page (Choose a category) For example, the user clicks on the option for the children's, women's, or men's section, and the section he wants appears, after which the user is shopping, and then the shoes he wants are placed in the cart.

- Here the user appears on the home page with the option (Offers) and then the discounted list of shoes appears.

- Here the login page appears from (the home page) from the login option. Of course, this page is for the user who has previously registered in this application. At the end of the page here appears an option for a user who has not previously registered in the user to be registered in this application.

- On this page (the shopping cart) appears from the main page. This is a page that shows the purchases of the user who wants to purchase them.