# Mobile App Development Stack

## Overview

The mobile app will be developed using Flutter, a cross-platform framework that allows for a single codebase to be used for both iOS and Android.

## Technologies

1. **Flutter**: A UI toolkit for building natively compiled applications for mobile, web, and desktop from a single codebase. It provides a rich set of pre-designed widgets.
2. **Dart**: The programming language used by Flutter. It is optimized for building mobile, desktop, server, and web applications.
3. **Provider**: A state management library for Flutter. It allows for efficient and scalable state management.
4. **HTTP**: A package for making HTTP requests. It provides a simple way to fetch data from the internet.

## Screens

1. **Home Screen**: The landing screen of the app.
2. **Product Listing Screen**: A screen that lists all the products.
3. **Product Detail Screen**: A screen that shows the details of a specific product.
4. **Cart Screen**: A screen that shows the items in the user's cart.
5. **Checkout Screen**: A screen for the user to complete their purchase.
6. **User Profile Screen**: A screen for the user to view and edit their profile.
7. **Order History Screen**: A screen that shows the user's past orders.

## Widgets

1. **AppBar**: The top navigation bar.
2. **BottomNavigationBar**: The bottom navigation bar.
3. **ProductCard**: A card widget to display product information.
4. **CartItem**: A widget to display an item in the cart.
5. **OrderSummary**: A widget to display the summary of an order.