**APP STRUCTURE**

**PROJECT OVERVIEW.**

App Name: **Makerere E-commerce App**

**App Features**

* User Authentication: Implement user registration and login.
* Product Search: Enable users to search for products.
* Product Filtering and Sorting: Allow users to refine product lists.
* Shopping Cart: Implement the ability to add, view, and manage items.
* Checkout and Payment: Enable secure and smooth payment processing.
* User Profiles: Provide user account management features.
* Notifications: Send order updates and promotions via push notifications.
* Ratings and Reviews: Allow users to rate and review products.
* Wishlist: Enable users to save products for future purchase.
* GDPR Compliance: Ensure the app follows relevant privacy regulations.
* Security: Implement encryption and secure communication protocols.

**Screens.**

**Home Screen**

* Display featured products and promotions.
* Include a search bar for product search.
* Show product categories for quick navigation.

**Product Listings**

* Display a list of products based on user preferences.
* Implement filters and sorting options.
* Include product thumbnails, names, prices, and ratings.
* Allow users to add products to the cart.

**Product Details**

* Display detailed information about a selected product.
* Show product images, description, price, and availability.
* Provide user reviews and ratings.
* Include options for quantity and variations (if applicable).
* Enable users to add the product to the cart or wish list.

**Shopping Cart**

* Display a list of products added to the cart.
* Show product details, quantities, and prices.
* Implement the ability to update or remove items.
* Display the total order amount.
* Provide a checkout button.

**User Profile**

* Allow users to sign in or register.
* Display user information and order history.
* Enable account settings and password changes.
* Include a sign-out option.

**Checkout Process**

* Implement multiple steps for the checkout process.
* Collect shipping and billing information.
* Provide payment options, including credit cards and other payment gateways.
* Display an order summary for review.
* Allow users to confirm and place the order.

**App Navigation**

* Use Flutter's built-in navigation to move between screens.
* Implement a navigation drawer or bottom navigation bar for easy access.
* Ensure smooth and intuitive user navigation throughout the app.