MAD and PWA Lab

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**Aim:** Selecting features for application development, the features should comprise of:

1. Common widgets
2. Should include icons, images, charts etc.
3. Should have an interactive Form
4. Should apply navigation, routing and gestures
5. Should connect with FireBase database

| **Screen-shot** | **Features** |
| --- | --- |
|  | **Login-Screen:**   * AppBar: Display the app's name and logo image along with any relevant action buttons. * Text Widgets: Include text fields for the username/email and password, along with labels. * Buttons: Design buttons for login, signup   .   * Toast Messages: Provide user feedback on successful login.   **Home-screen**   * Multiple widgets like image title, add to cart buttons. * Navigation using the buttons at the Bottom and the top, also playing the video * Icons like shopping cart, personal information, etc. * Products from firebase storage   **Product Page:**   * view detailed information about a specific product. * Implement navigation to the product details screen when a result is selected. * Multiple widgets like image title, add to cart buttons.   **Search Screen:**   * Implement a prominent search bar at the top of the screen. * Utilize Flutter's **TextField** widget for the search input.   Search Results:  * Display search results based on user input. * Use a **ListView** to show the results with product images, names, and prices.   Product Details on Tap:  * Allow users to tap on a search result to view detailed information about a specific product. * Implement navigation to the product details screen when a result is selected.   **Profile Screen:**  1. User Information:  * Display user information such as name, email, and profile picture at the top of the screen. * Use Flutter's **CircleAvatar** for the profile picture.   2. Order History:  * Include a section for the user's order history. * Utilize a **ListView** or other appropriate widgets to display past orders with order details.   **Shopping Cart:**  1. Cart Items List:  * Display a list of items added to the shopping cart. * Use a **ListView** or similar widget to show product images, names, quantities, and prices.   2. Total Price Calculation:  * Show the total price of the items in the cart. * Dynamically update the total when users adjust quantities or remove items.   3. Checkout Button:  * Include a prominent "Checkout" button for users to proceed to the payment process. |