

Introduction:

The goal of this task is to assess your coding experience and your knowledge of Android. In this task, you'll need to utilize your understanding of Android OS features such as local storage and biometric identification, along with general programming knowledge like API interaction and response parsing. Design and UI should not be the main focus; use default UI elements and simple Android Material Design.

The app should consist of three separate screens. Navigation between screens (except the login) should be done using a tab bar. Each screen should have its own UI implementation, and code reusability is allowed if necessary.

First Screen - Login:

Create a simple login screen with fields for both password and username. The login should be simulated and locally maintained, allowing for both username & password login and biometric login. Provide permitted username and password for testing purposes. Include a Lottie animation above the username and password fields.

Second Screen - Products List:

Generate a table of products from the following endpoint:

<https://dummyjson.com/products>

Each cell should display the title, description, price, brand, and thumbnail of a product. The cells should be clickable, leading to a detailed screen displaying the product's title, description, price, brand, and images. Implement caching for images. Consider slicing the list for better UI performance and to avoid lag.

Third Screen - Setting Screen:

The settings screen should include the following:

- Dark mode/light mode control
- Language change control (supporting Hebrew and English).

Since the API does not support languages, only modify the local strings representing the screen names and the login UI components.

- Log out button

Fourth Screen - Favorites Screen:

Implement a screen for favorite products, where users can add their favorite products. Save favorites locally.

Bonus:

Include the full documentation of the API:

<https://dummyjson.com/docs/products>

Add functionality to edit, add, and delete a product.

Incorporate these abilities into the products list and product details screens.

Note:

Editing, deleting, and adding products will not affect the remote server of the API. Update the data locally, saving changes locally, and provide an option to reset the list and revert all changes by fetching the products again from the server.