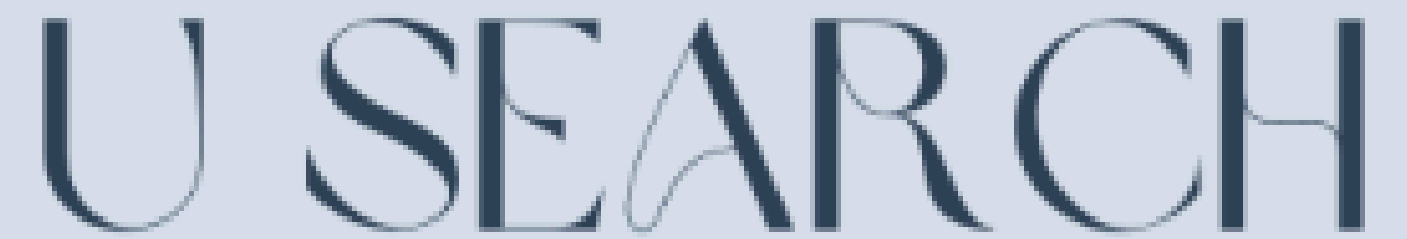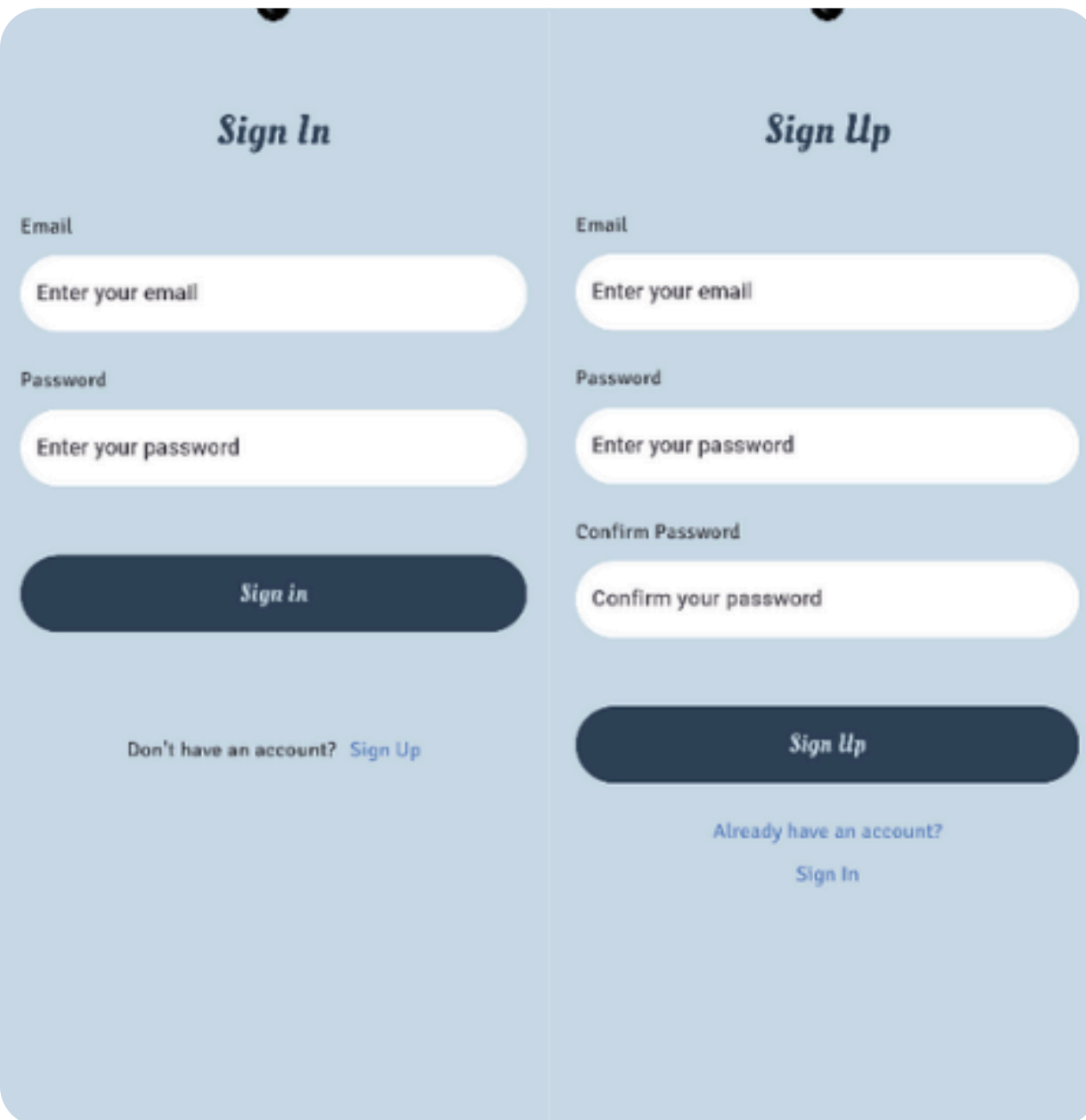# U SEARCH

INTRODUCTION

with countless educational opportunities, navigating the path to higher education can be tiring. That's where U Search comes in. an innovative mobile app designed to simplify your university search experience.

U SEARCH

YOUR PATH, YOUR UNIVERSITY

USER AUTHENTICATION

Sign In

Email

Enter your email

Password

Enter your password

Sign in

Don't have an account? Sign Up

Sign Up

Email

Enter your email

Password

Enter your password

Confirm Password

Confirm your password

Sign Up

Already have an account?
Sign In

01 Purpose:
To manage user authentication by allowing users to either log in or create a new account in the U Search app.

02 Components:
- Text Fields: For inputting email, password, and password confirmation.
- Custom Buttons: Trigger login or registration functions.
- Navigation Links: Allow users to switch between Sign In and Sign Up pages.
- Loading Indicators: Shown during login or registration processes.

03 Technologies Used:
- Flutter: UI development framework.
- Firebase Authentication: Manages user authentication and account handling.
- Custom Widgets: BigText, SmallText, CustomButton, TextInput.
- AuthServices Class: Handles Firebase login and registration functions.
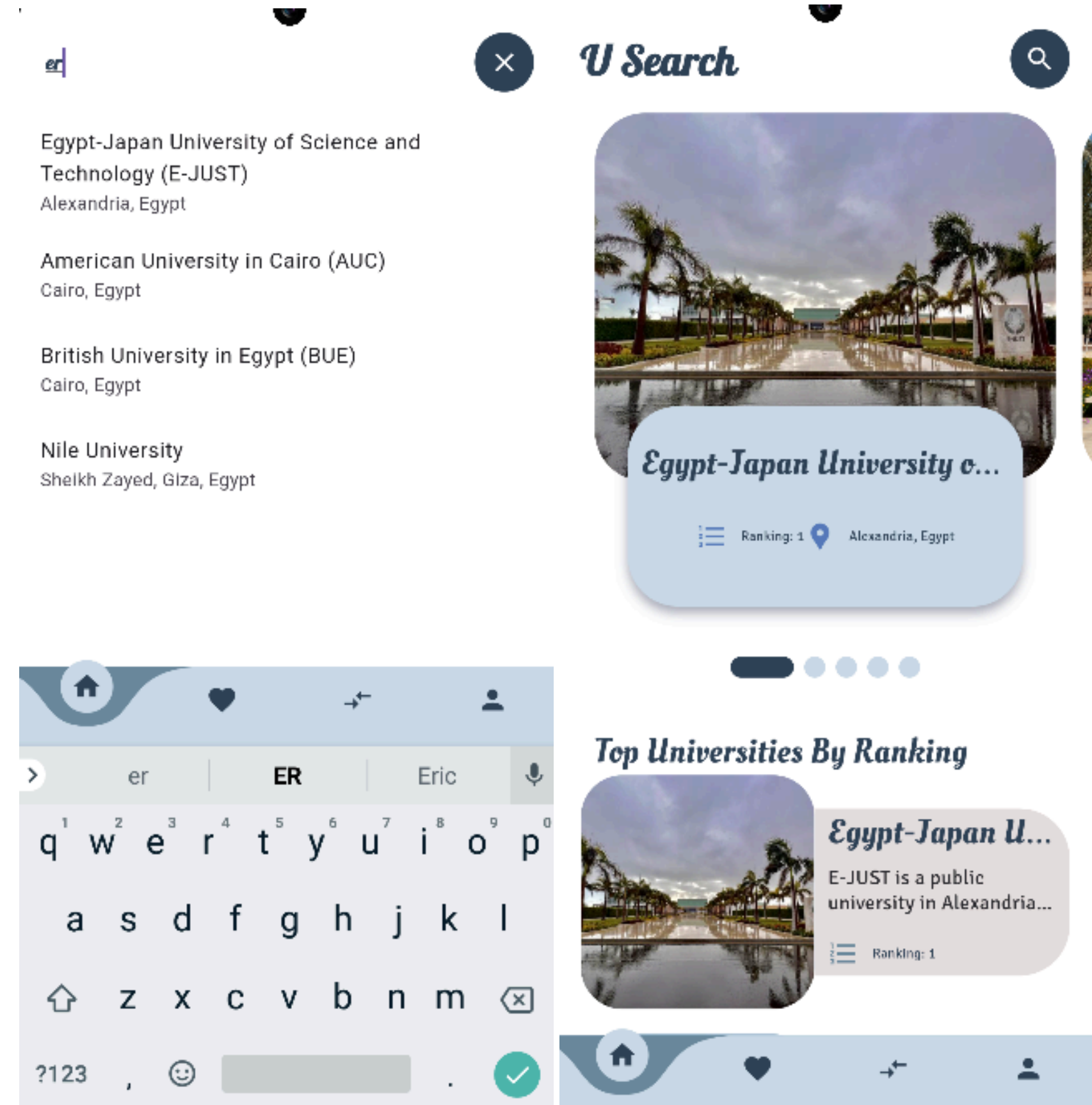
Main Home

Purpose:

To display the U Search homepage, including a slideshow of featured universities and a list of top-ranked universities with key details.

Components:

- Header: Displays the app name "U Search" and a search icon.
- Slideshow: A carousel showcasing universities with names, images, and ratings.
- University List: A list of top-ranked universities with details like ranking, location, and rating.
- Navigation: Allows users to browse the university rankings and featured universities.

Technologies Used:

- Flutter: UI development for all components.
- Google Fonts: Custom font for the app title (Lobster font).
- Smooth Page Indicator: Provides a carousel slider indicator.
- Custom Widgets: BigText, SmallText, IconAndText for structured layout.
- PageView & ListView: For building dynamic content like the slider and university list.

University Details

Purpose:

To provide detailed information about a selected top-ranking university, including its ranking, location, description, and the option to add or remove it from favorites.

Components:

- SliverAppBar: Displays a collapsible app bar with a back button and a favorite icon to toggle the university's favorite status.
- University Image: Showcases a full-width banner image of the selected university.
- University Details: Includes university name, ranking, location, and a detailed description.
- Favorite Button: Allows users to mark the university as a favorite via FavoritesProvider.

Technologies Used:

- Flutter: To build the UI components.
- Provider: For state management, specifically to handle favorites.
- SliverAppBar & CustomScrollView: For the collapsing app bar and smooth scrolling experience.
- Custom Widgets: AppIcon, BigText for structured design and consistency.

Egypt-Japan University of Science and ...

Ranking: 1 Alexandria, Egypt

E-JUST is a public university in Alexandria, Egypt, that follows the Japanese educational model focusing on research and innovation. The university offers programs in engineering, electronics, energy, and more, with strong partnerships with Japanese universities.

Profile Screen

Purpose:

The Profile screen allows users to view and edit their personal details, such as their name, email, phone number, address, and bio. It also provides a logout option.

Components:

- Profile Title: Displays the title "Profile" using the custom BigText widget.
- Text Fields:
  - Name: Displays the user's name, which can be edited.
  - Email: Displays the user's email, with the option to edit.
  - Phone Number: Allows users to edit their phone number.
  - Address: Displays and allows editing of the user's address.
  - Bio: A field where users can update their bio or personal description.
- Buttons:
  - Edit Profile / Save Profile:.
  - Log Out: A button that logs the user out by calling a function from the AuthServices class, which handles Firebase authentication.

Features:

- Editing Mode: When in editing mode, the form fields are enabled for input.
- Logout Functionality: Calls AuthServices.logout() to sign the user out and return them to the login screen.
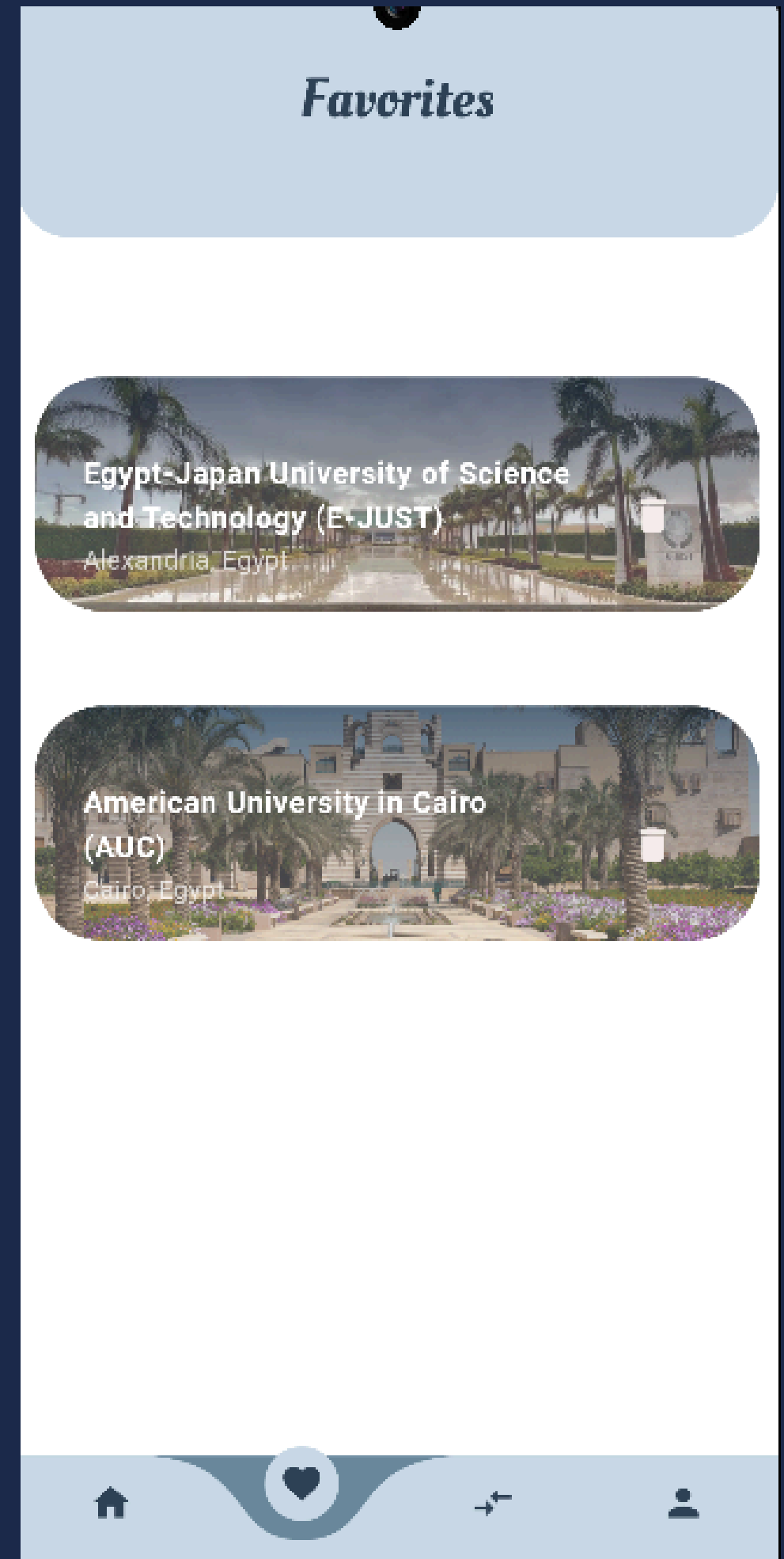
Favorites

Purpose:

This screen allows users to view and manage their list of favorite universities. It enables quick access to university details and the option to remove favorites.
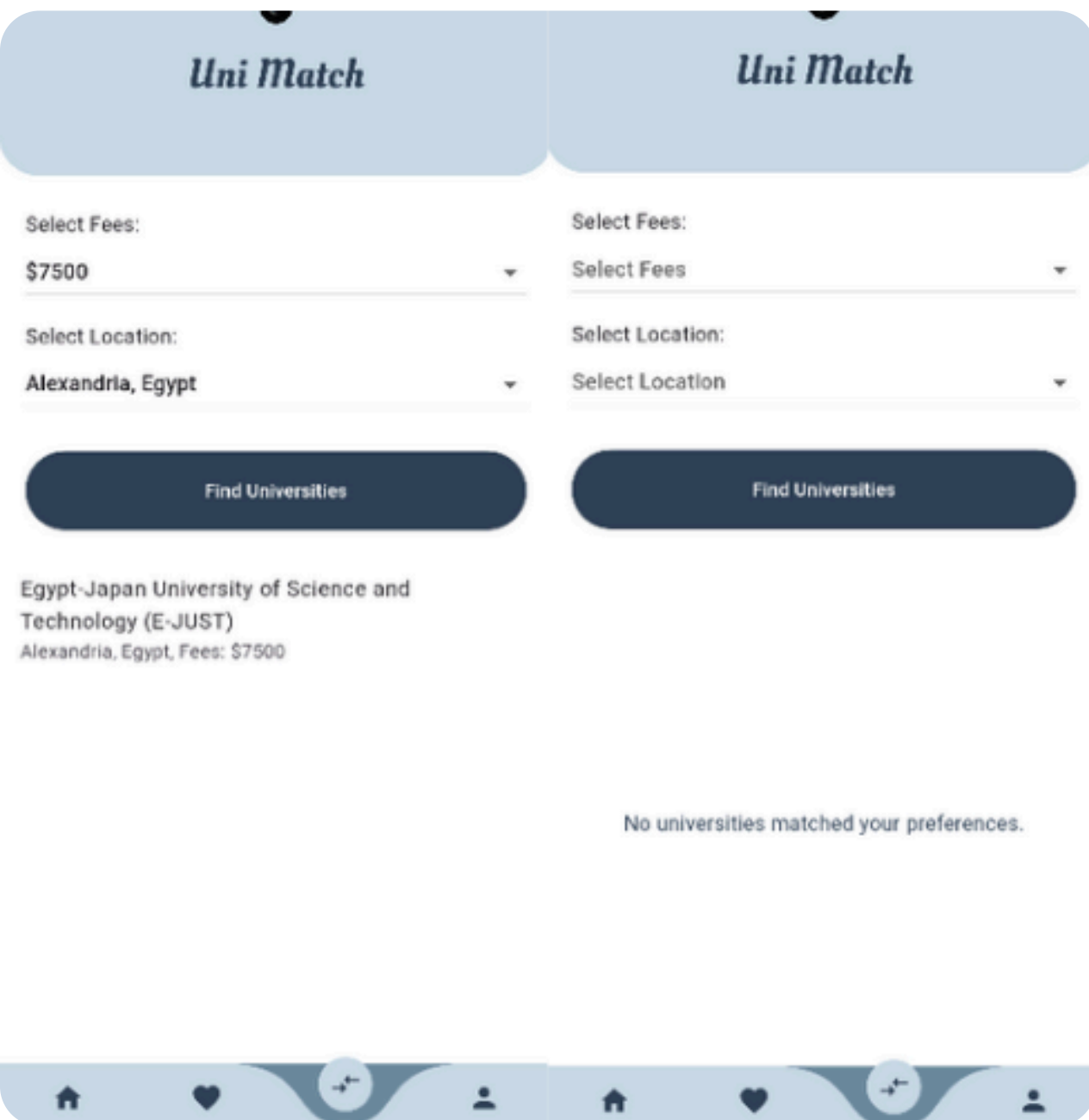
Components:

- App Bar: A custom header displaying "Favorites" with a consistent design using BigText.
- Favorite Universities List: Displays universities the user has marked as favorites, with an image, name, and location.
- Empty State: Shows a message ("No favorites yet!") if no universities are marked as favorites.
- Delete Button: Allows users to remove a university from their favorites list.
- University Details Navigation: Tapping a university directs users to the detailed screen (TopRankingDetails).

Technologies Used:

- Flutter: UI development framework.
- Provider: State management for handling the favorites list.
- ListView.builder: Dynamically generates the list of favorite universities.
- Custom Widgets: BigText, SmallText, TopRankingDetails for consistent styling and design.

UNI MATCH

Purpose:

This screen helps users find universities that match their preferences based on location and tuition fees. It allows users to filter and display universities that meet their selected criteria.

Components:

- App Bar: Displays the title "Uni Match" using the custom BigText widget.
- Dropdown Menus:
  - Select Fees: Allows users to choose universities within a specific fee range.
  - Select Location: Filters universities based on the selected location.
- Filter Button: A button to apply the selected filters and display matching universities.
- List of Matched Universities: Displays a list of universities that match the selected criteria. Each item shows the university name, location, and fees.
- No Matches Message: Displays a message when no universities match the user's filters.

Technologies Used:

- Flutter: UI framework.
- Bloc (Business Logic Component): Manages the state of universities and handles filter logic.
- Custom Widgets: BigText for title display and other reusable components.

THANK YOU!