Emmanuel Ayco

IT64 (IT36A)

Introduction

The application is designed with a client-server architecture; React and Ionic are used to build the client-side, and Firebase services (Authentication and Firestore) handle server-side tasks like authentication and data storage. CRUD operations on ToDo items and authentication tasks are communicated between the client and server.

Features

User Authentication:

- **Sign Up:** Users can register for an account by providing their name, email, and password.
- **Login:** Users can log in to their accounts using their email and password.
- **Logout:** Users can log out of their accounts.

Description of Your Works (Systems)

Login System

- Provides a login interface where users can input their email and password.
- Authenticates users using Firebase Authentication.
- Checks if the user exists in Firestore, and redirects to the home page upon successful login.

Sign-Up System

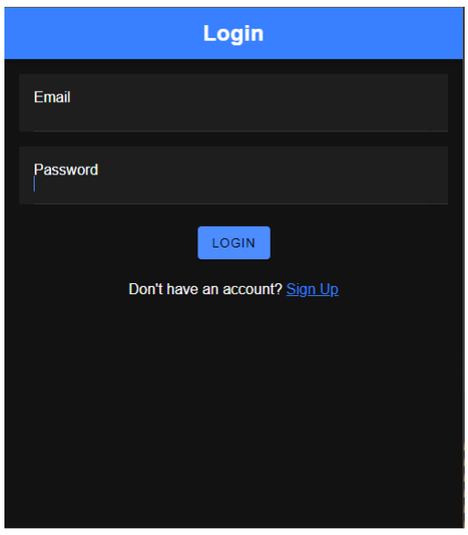
- Provides a sign-up interface where users can register by providing their name, email, and password.
- Validates user inputs and displays appropriate error messages.
- Stores user data in Firestore upon successful sign-up.

Conceptual Framework

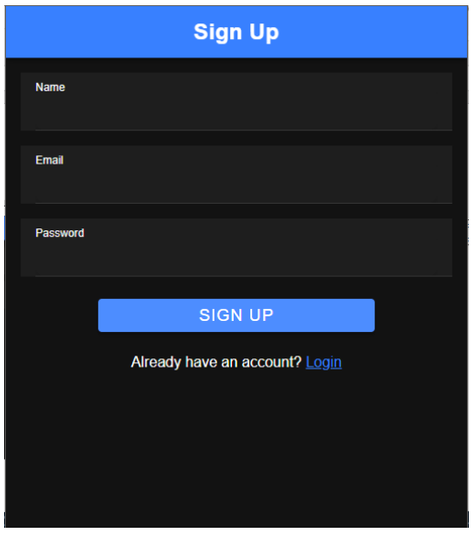
A client-server architecture is used in the design of the program. The client-side is built with React and Ionic, while server-side tasks like authentication and data storage are handled by Firebase services (Authentication and Firestore). The client and server interact to carry out CRUD operations on ToDo items and authentication tasks.

The System (Screenshot of your Output)

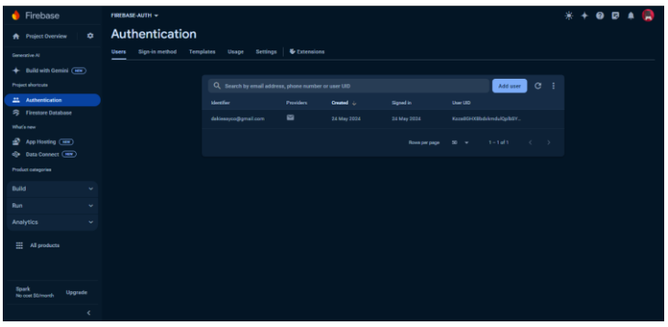
Login Display Screen

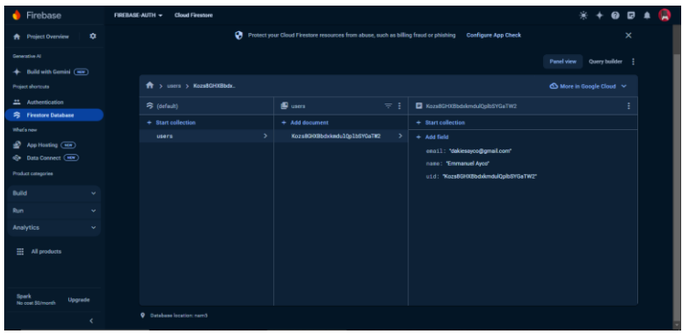


Sign-Up Display Screen



Firebase Display Screen





Reference:

Ayco, M. (2024, May). ToDo List Application. Retrieved from https://github.com/Ayc023/AYCO_FINALPT