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Introduction

   The client-side components of the application are developed using React and Ionic, while server-side tasks like authentication and data storage are managed by Firebase services (Authentication and Firestore). The client and server interact regarding CRUD operations on ToDo items and authentication tasks.

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.
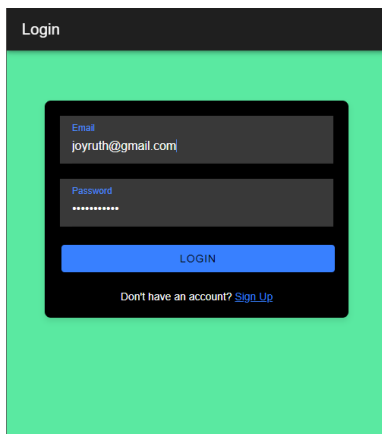
Sign-Up System

- 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

The program is designed using a client-server architecture. Although Firebase's services (including authentication and React and Ionic are used in client-side development, while Firestore is used for server-side operations like data storage and authentication. To perform CRUD operations on ToDo items and authentication tasks, the client and server communicate.
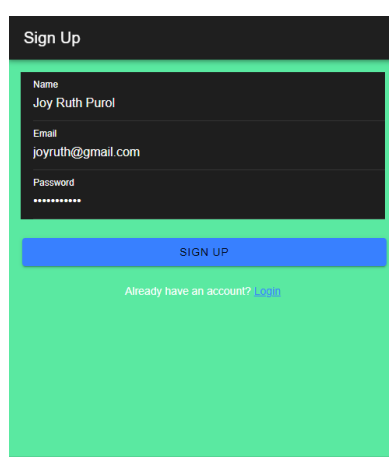
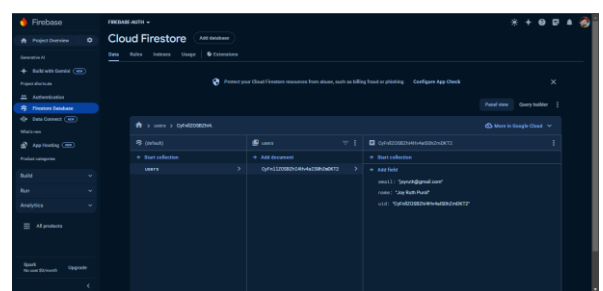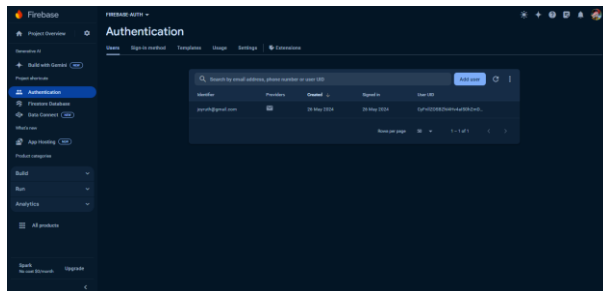## The System (Screenshot of your Output)

Login Display Screen

Sign-Up Display Screen

Firebase Display Screen

Reference:

Purol, J. R. (2024, May). ToDo List Application. Retrieved from https://github.com/JOYPURZ/PUROL-FINALPT