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Section: IT64(IT36A)

The developed app is a simple ToDo list application built using React and Ionic framework. It allows users to create, edit, and delete ToDo items. The application also includes user authentication functionalities for sign-up, login, and logout, and it utilizes Firebase Authentication and Firestore for user management and data storage.

Features:

1. User Authentication:

- Users can sign up for an account using their name, email, and password.
- Users can log in to their accounts.
- Users can log out of their accounts.

2. ToDo List Management:

- Users can add new ToDo items to their list.
- Users can edit existing ToDo items.
- Users can delete ToDo items from their list.

Description of the Works (Systems):

1. Login System (Login.tsx):

- 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.

2. Sign-Up System (SignUp.tsx):

- 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.

3. ToDo List Management System (ToDoList.tsx):

- Displays a list of ToDo items fetched from Firestore.
- Allows users to add new ToDo items.
- Allows users to edit existing ToDo items.
- Allows users to delete ToDo items.
- Provides a logout button to allow users to log out of their accounts.

Conceptual Framework:

The app utilizes a client-server architecture where the client-side is implemented using React and Ionic framework, and the server-side functionalities such as authentication and data storage are handled by Firebase services (Authentication and Firestore). The client communicates with the server to perform authentication tasks and CRUD operations on ToDo items.

Developer, Bimbo E. Villaganas (2024, May). ToDo List Application. Retrieved from <https://github.com/Villaganas/final-it36A>.

(Note: Replace [GitHub repository URL] with the actual URL of the GitHub repository where the source code is hosted.)