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Introduction

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

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.

ToDo List Management:

- Add ToDo Items: Users can add new ToDo items to their list.
- Edit ToDo Items: Users can edit existing ToDo items.
- Delete ToDo Items: Users can delete ToDo items from their list.

Description of Your Works (Systems)

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.

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.

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 the React and Ionic frameworks, 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.

The System (Screenshot of your Output)

Mobile View

Login



Welcome Back


Email

Password

LOGIN

Don't have an account? [Sign Up](#)

Sign Up



Create Account

Name


Email

Password

SIGN UP

Desktop View

Login



Welcome Back


Email

Password

LOGIN

Don't have an account? [Sign Up](#)

Sign Up



Create Account

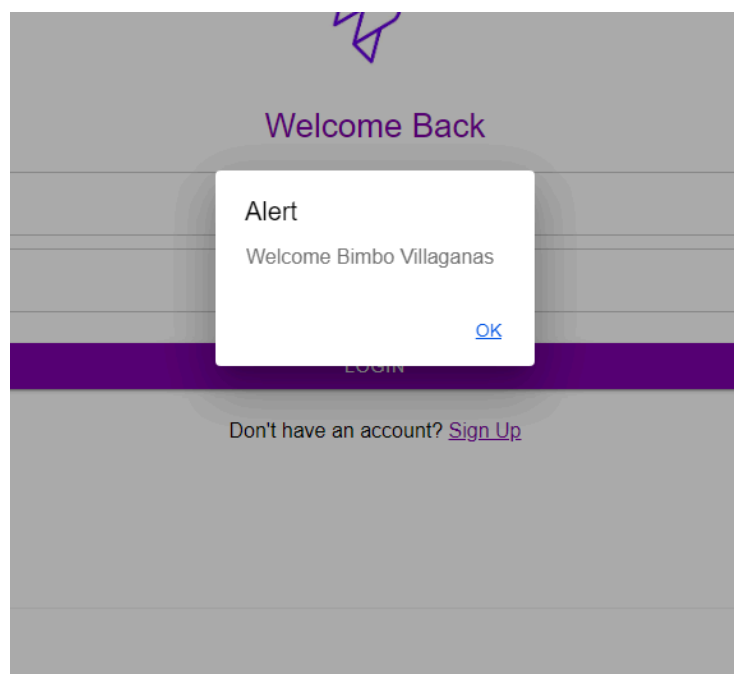
Name





Email

Password

SIGN UP

Already have an account? [Login](#)



ToDo List								LOGOUT
<div>New ToDo</div> <div>Enter ToDo item</div>								
ADD TODO								
samample1								 
sample								 

Developer Name:	Age:	Institution:	Course:	Year:	Purpose of Developing this App:	Section:	Date
Bimbo E. Villaganas	22	Norther Bukidnon State College	Bachelor of Science in Information Technology (BSIT)	3rd year	Final PT of the subject INFORMATION ASSURANCE SECURITY 2 (IAS2)	IT64 (IT36A)	Created: May 2024

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