

1. Abstract

- **A brief summary of the implementation to the project and objectives.** The user module is based on the entire app. Connect to the backend database with a node express app. The feature allows users to sign-up, login, reset password.

After logging in the user can view all their details in the profile page. The user state is stored in a session, and the session is wiped out whenever the user logs out. The user can also log out from the page from the profile page

2. Features Implemented

A list of features developed, including descriptions and significance.

1. Setup backend
2. Developed API for
 - a. Checking user email
 - b. Signing Up
 - c. Logging In
 - d. Updating password
 - e. Logging out
 - f. Updating Last Logged in state
3. Front end pages for the same
 - a. Sign up page
 - b. Login Page
 - c. Reset Password Page
 - d. Profile Page
 - e. Privacy Policy

3. Code Highlights

Key pieces of code or logic that is worth mentioning

- User Module API - The reference API calls are well polished and modded and returns proper output message, according to the request and response
- The CSS and Styling follows the overall design of the app
- All fields are well validated before an API call is made

4. Challenges and issues

Possible challenges and issues arised or may arise in the future.

- Bugs -
 - Can't edit fields for some time after sending an HTTP request
 - Clicking Profile Tab doesn't open login page if the cursor is coming after profile section
- Setting up Backend with App's database

5. Solutions and Fixes

- Strategies to fix possible challenges
Debugging the global configs to find the cause

6. Future Work and suggestions

Suggestions for further development or improvement of the project or the feature

1. Manage session state effectively
2. Restrict access to certain section of app without logging in
3. Using JWT to authorize users
4. Shelling of code without logging in
5. Protect API using JWT, Adding No-Cors configuration for security

7. Repository and Documentation Links

- URLs to any relevant documentation.
- <https://github.com/jeffreywallphd/AutoProphet/tree/FALL2024-BA5200-Team4>