**Unique Constraint Explanation:**  
**Feature 1**: Users should be able to log out of their account securely. Ensure that the system prevents access to any features if the user tries to perform actions while logged out.

**Feature 2**: The system should generate an activity report file summarizing each user's logins, password changes, and other profile updates.

In feature 1. I used inheritance method in UserMenu so it can verify if the user is logged in or authenticated. Through passing of username and password from LoginService class the UserMenu class is protected and exclusive for logged in user only.

In feature 2. I added some functionality which is the change password and change email, so the system can initiate or add logs in a json file. Using Linq I able to track the logs of logged users and able to retrieve or generate their logs through a text file. I used OOP principles such as abstraction and encapsulation to provide a structured way of generating logs for each user.

I developed the system with minimal use of chatgpt and google. Implementing OOP approach for a clean structure of codes and folders. Although design patterns are not perfect and confusing sometimes. The use of code principles helps to build a structured simple app which is a good practice that would help in developing enterprise or big application in the future.