

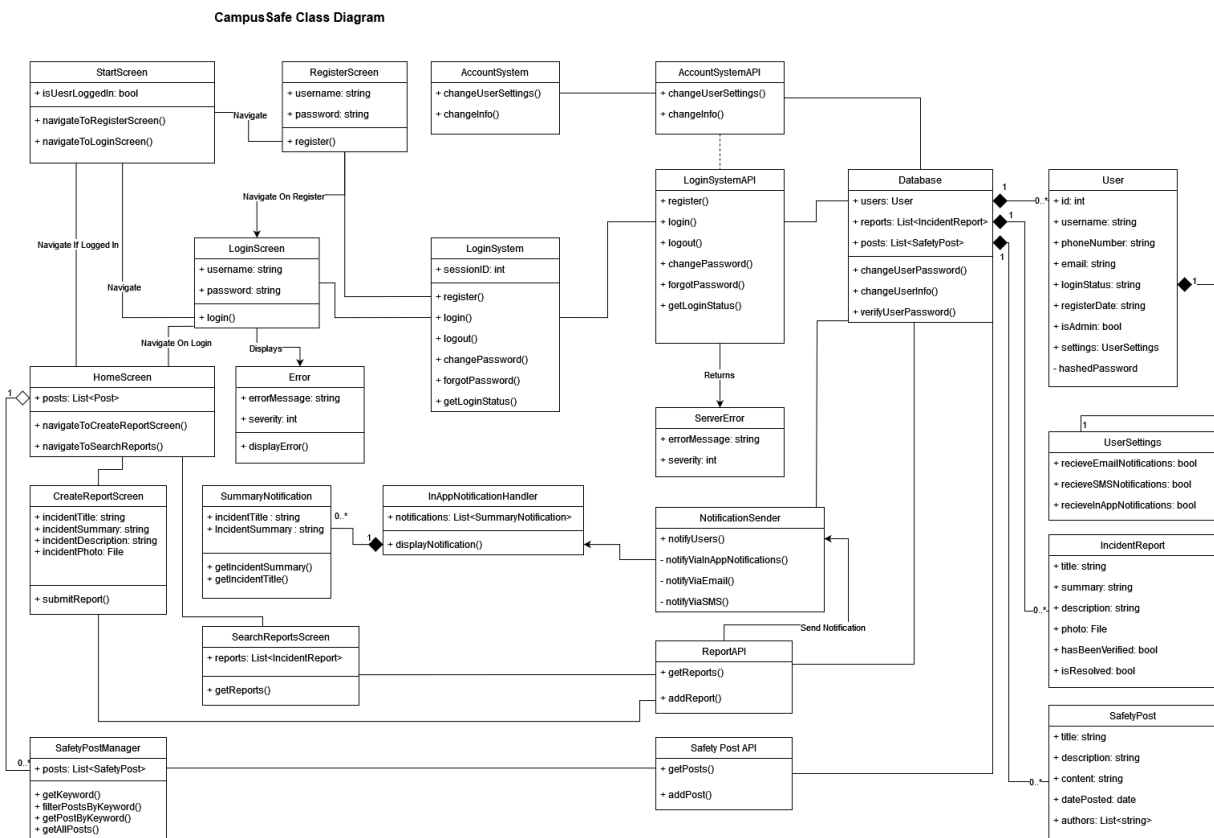
## Class Diagram for CampusSafe

## Summary

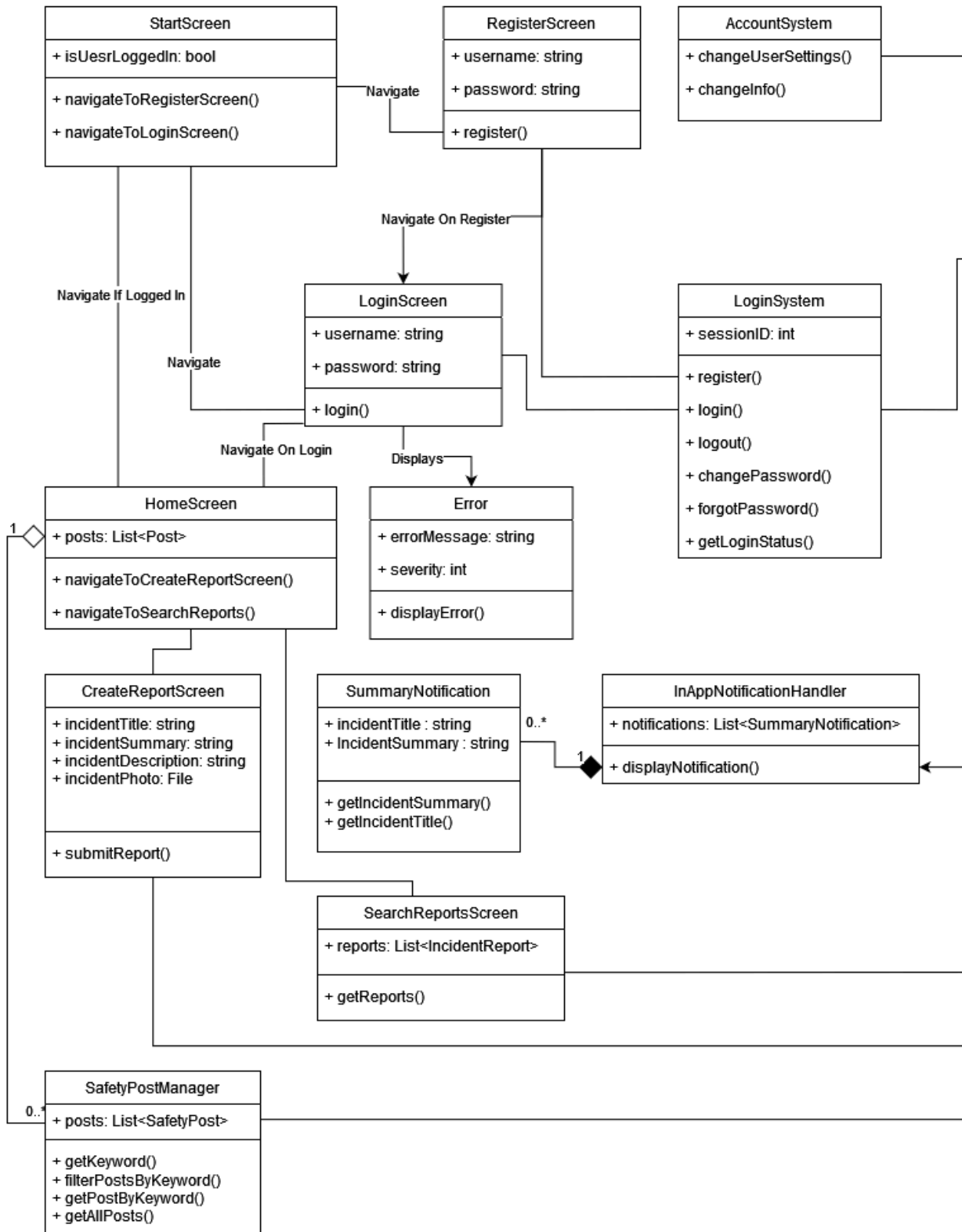
Our class diagram outlines the main relationships of our system. On the left (frontend) users can interact with screens like StartScreen, LoginScreen, and HomeScreen which allow them to create accounts, log in, and use functions like making an incident report or browsing past posts. The LoginSystem manages the user authentication processes, while SummaryNotification and InAppNotificationHandler ensure users receive speedy notifications.

On the right (backend) the User class contains data such as login status and notification preferences. The AccountSystemAPI handles user account changes while the LoginSystemAPI handles login and password related requests. The NotificationSender handles sending notifications based on the user's UserSettings preferences. In the end, each class handles a specific feature of CampusSafe.

## Full Diagram



## Zoomed In (Left)



## Zoomed In (Right)

