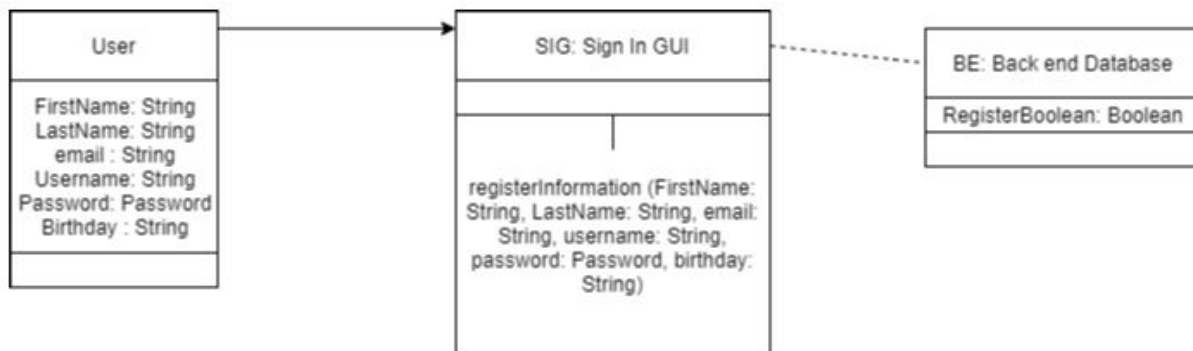


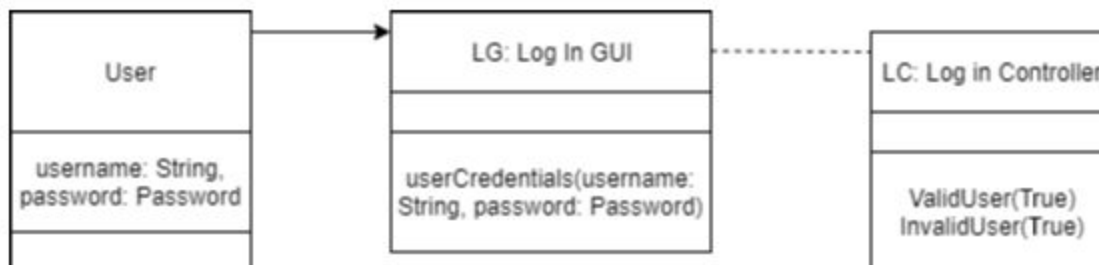
Group 3
COS 420
May 3, 2019

Below are the design class diagrams for all 5 of the Sprout team's sequence diagrams. The design class diagrams are followed by the UML class diagram for the design pattern.

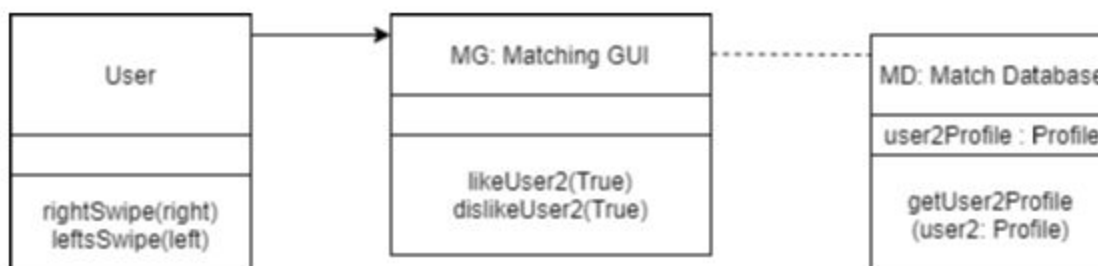
Design Class Diagram 1: Creating Account



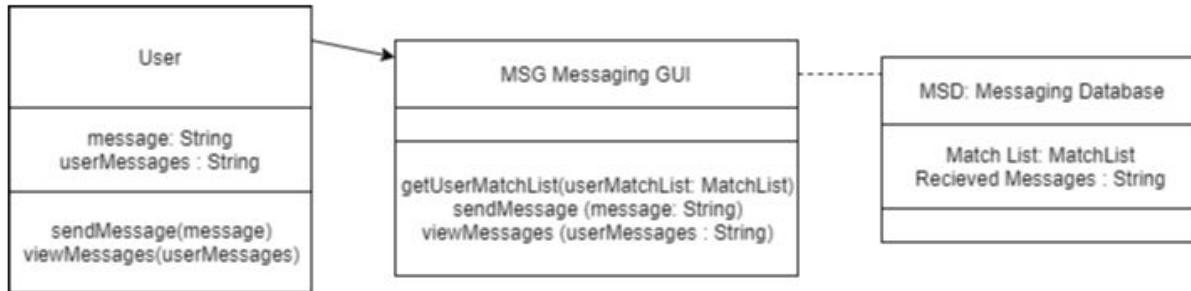
Design Class Diagram 2: Logging In



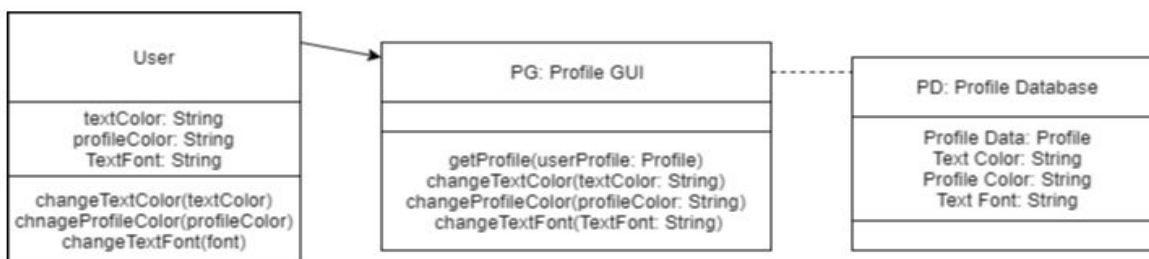
Design Class Diagram 3: Matching



Design Class Diagram 4: Messaging

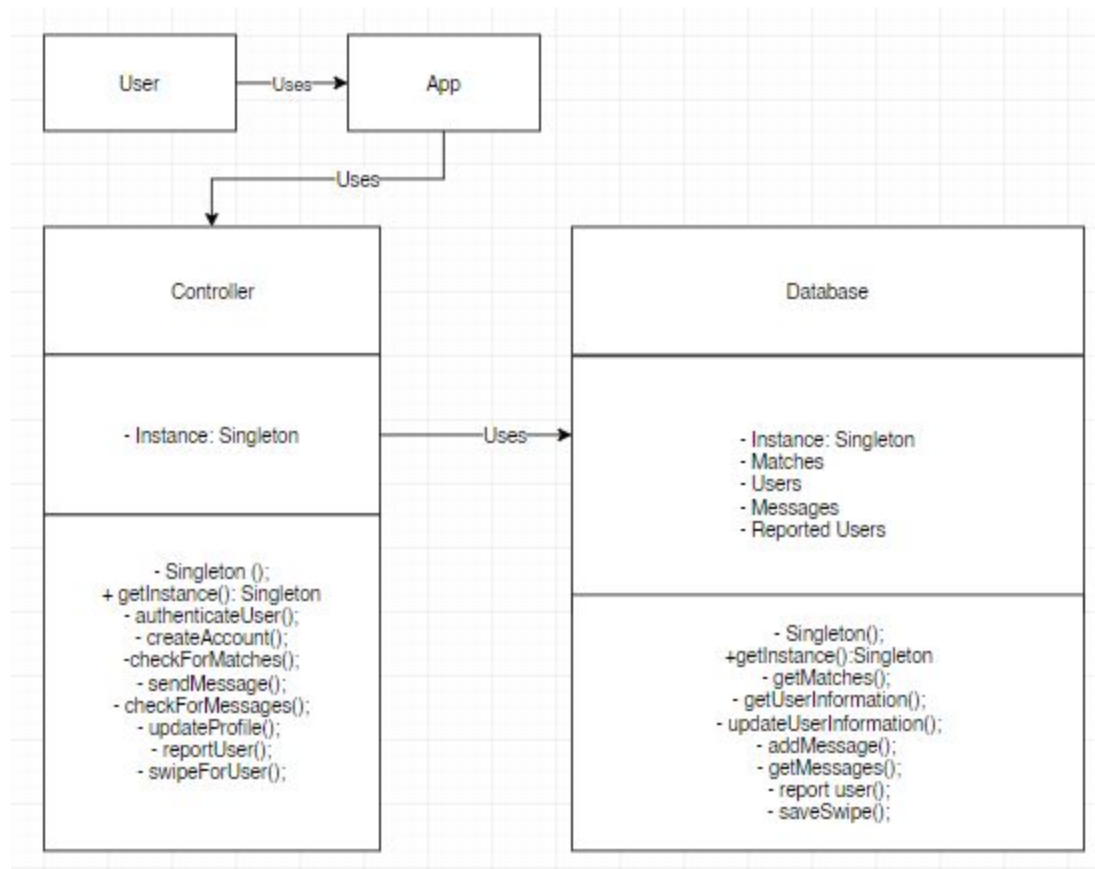


Design Class Diagram 5: Profile Customization

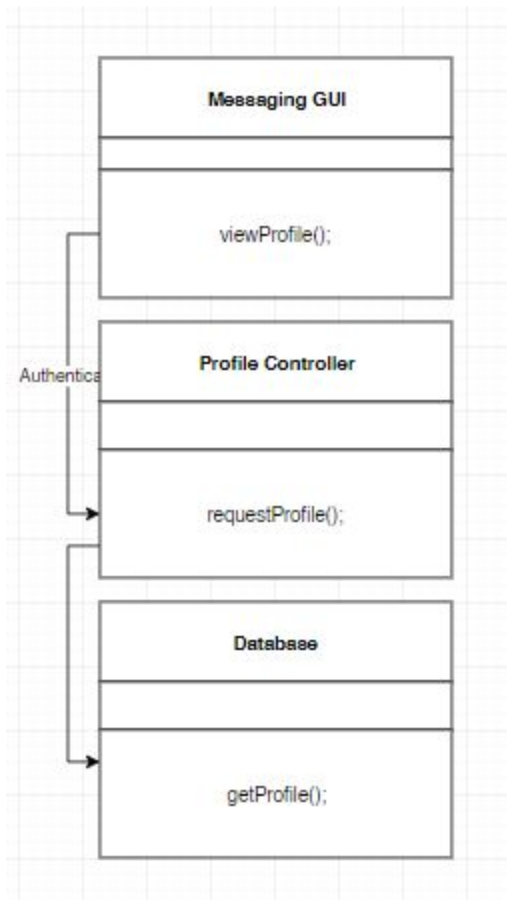


Design Patterns

Creational; Singleton



Behavioral; Observer - "Users viewing other users' profile descriptions"



Structural; Facade - “Users sending and receiving messages”

