

Low Level Design Document

Student Multi-Tool

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Team Marvel

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Technologies Used

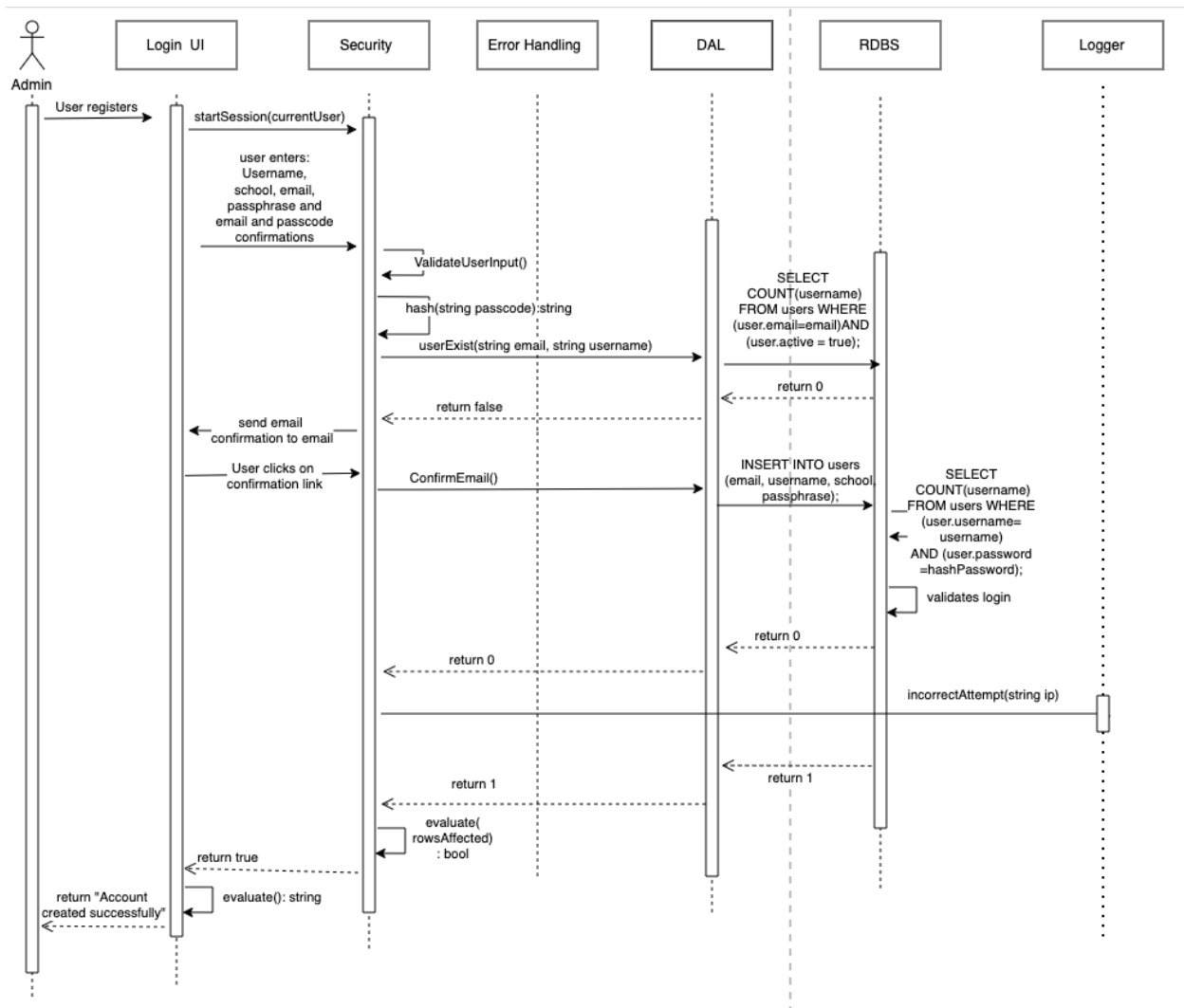
- C#
- Net and ASPNET
- SQL Server 2019 Developer/Express Edition
- SQL Server Management
- Video Studio Code and Visual Studio Community
- HTML

Registration

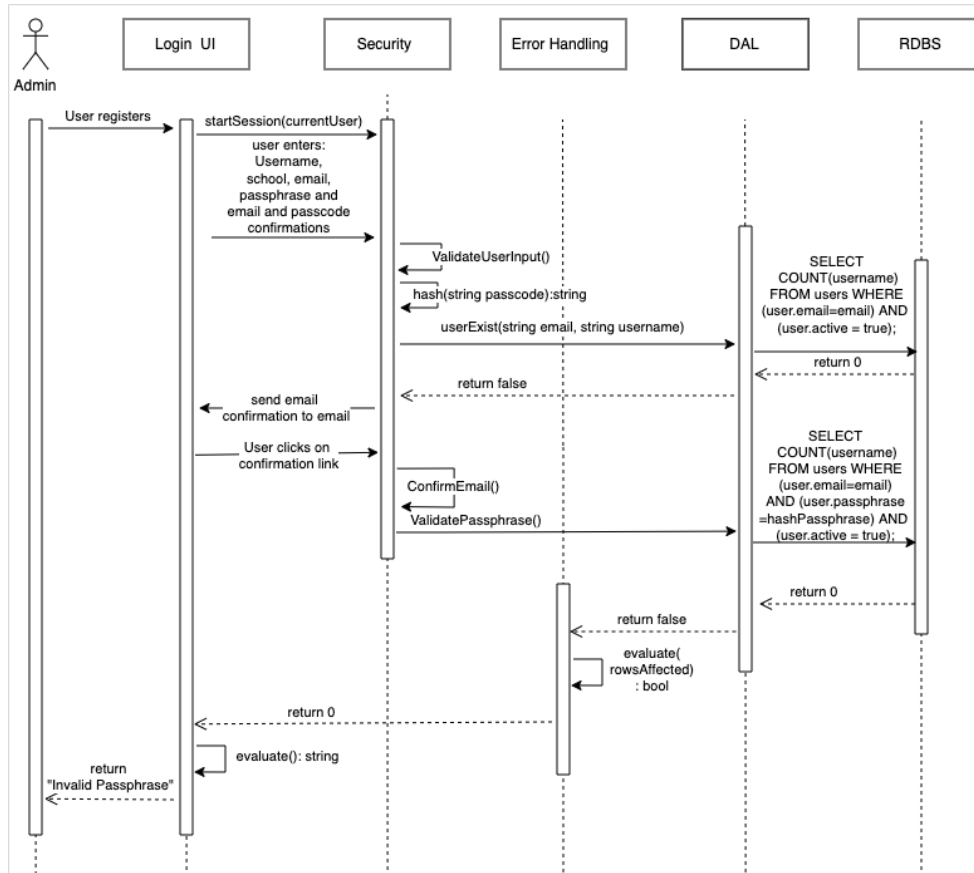
Sequence Diagrams:

- The user is able to register only one account with the system
- The user's input is validated to allow only valid characters to match their appropriate user registration field requirements

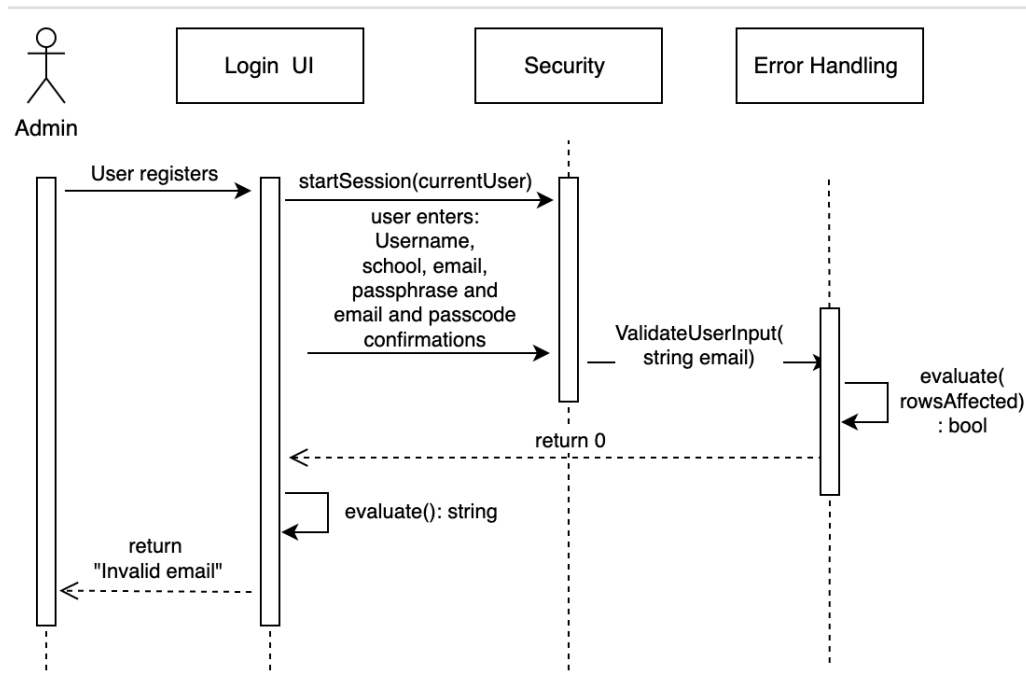
Registration (Success)



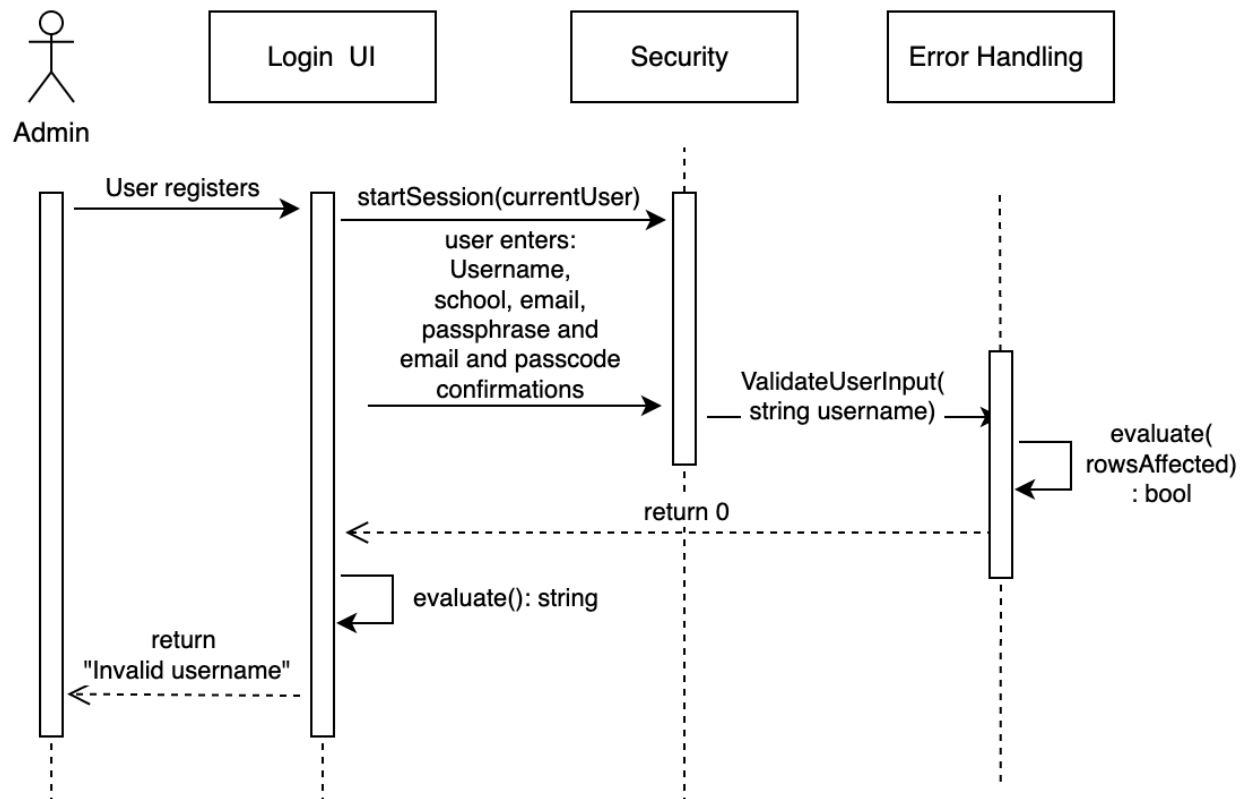
Registration Fail (Invalid Passphrase)



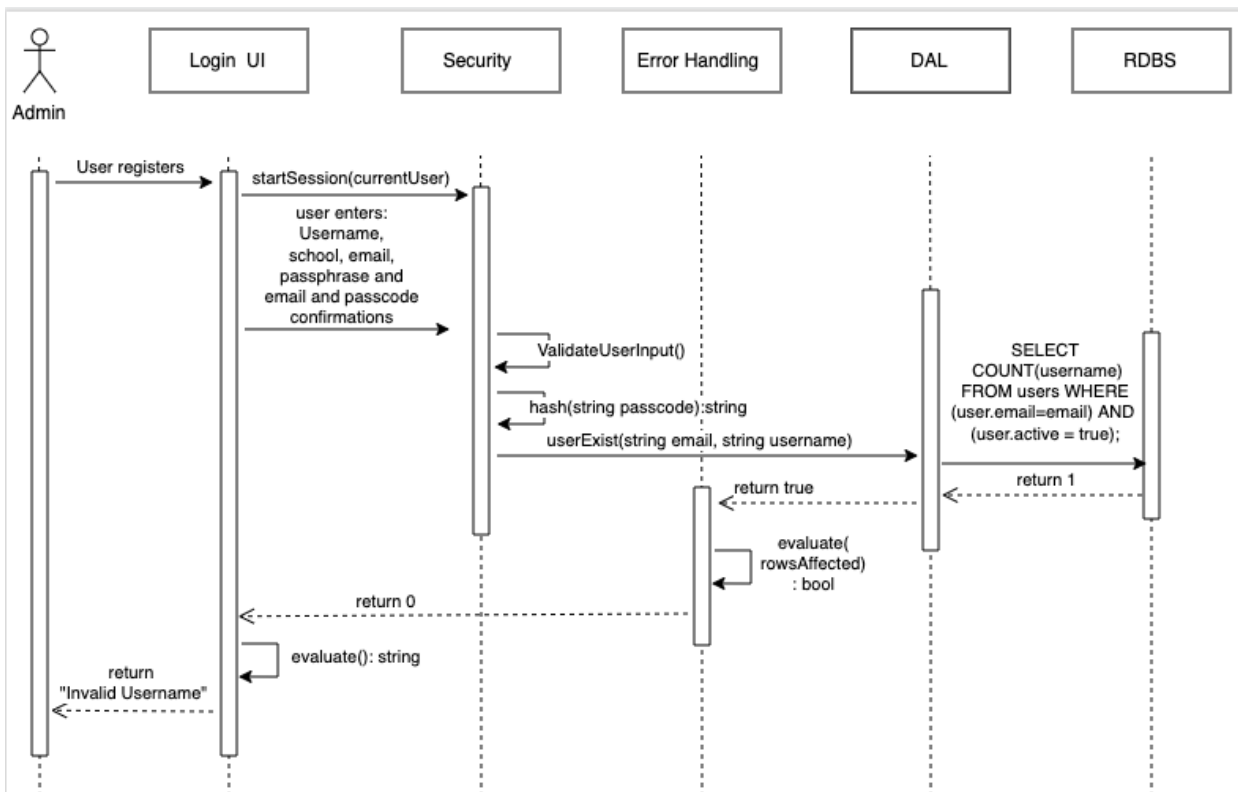
Registration Fail (Invalid Email)



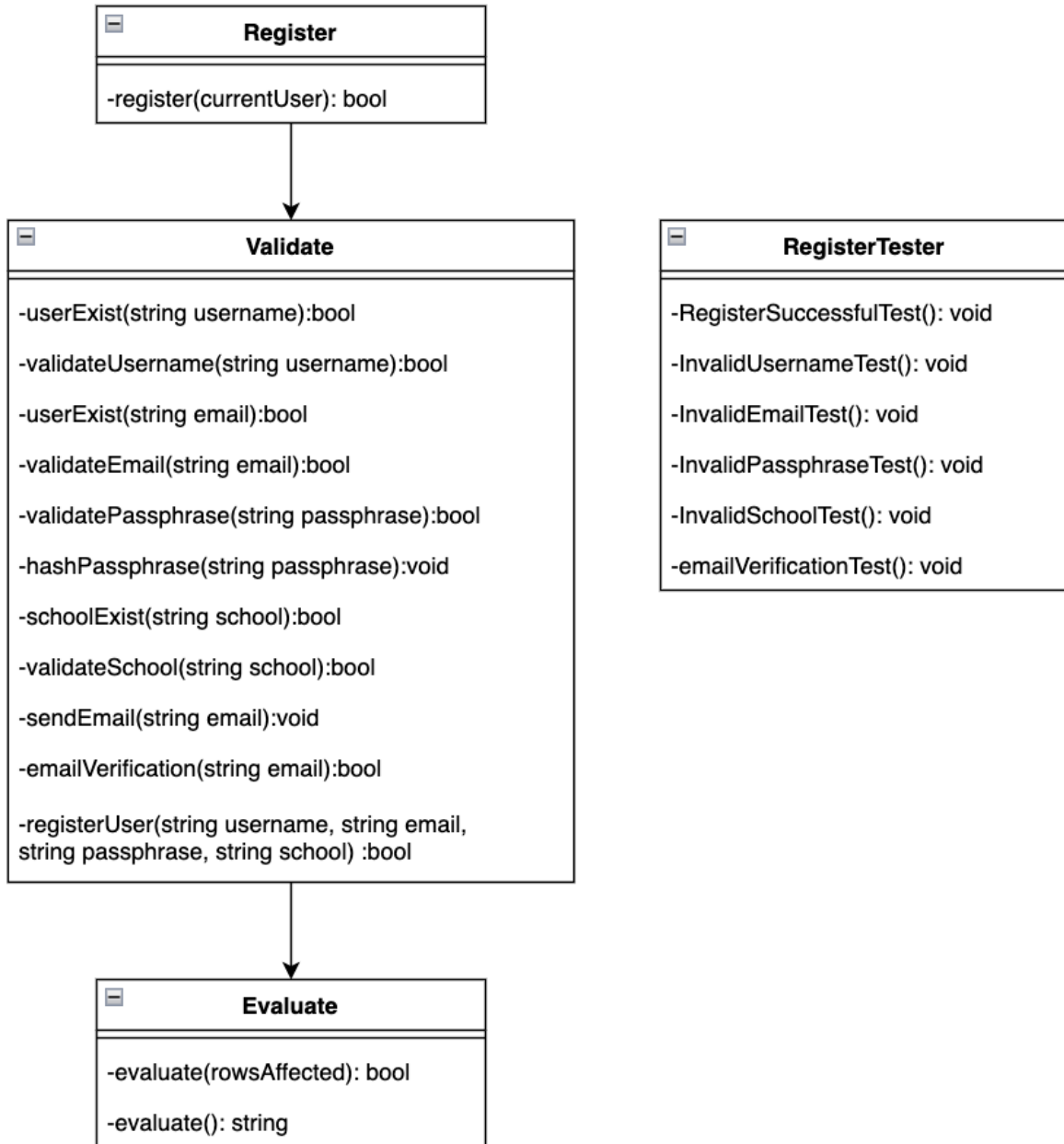
Registration Fail (Invalid Username)



Registration Fail (User already exist)



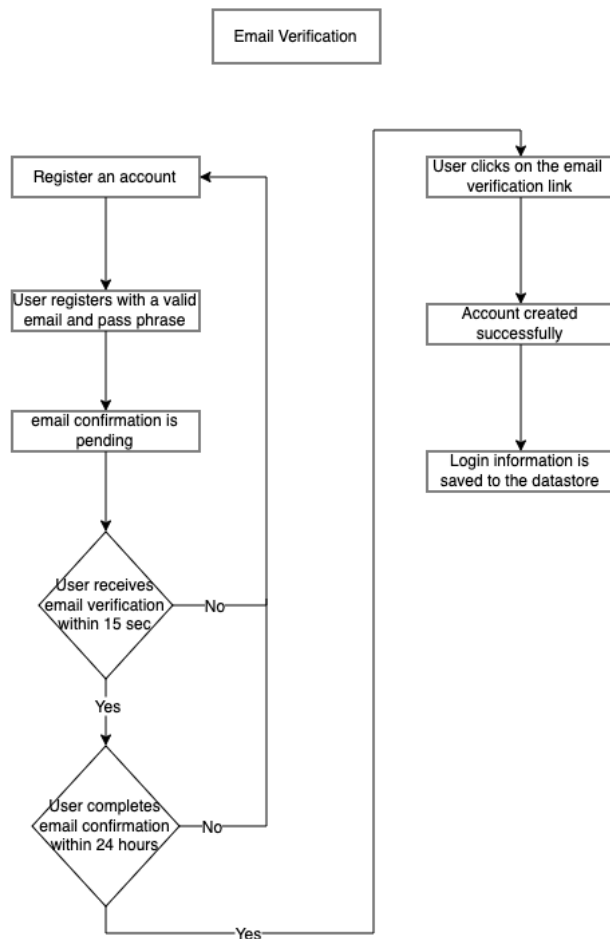
Class Diagram:



Email Verification

- To complete registration, the user needs to validate the email provided during registration.
- The registration petition will be pending until the user validates the email

Behavioral Diagram



Class Diagram

