

Low Level Design Document

Student Multi-Tool

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Team Marvel

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Technologies Used

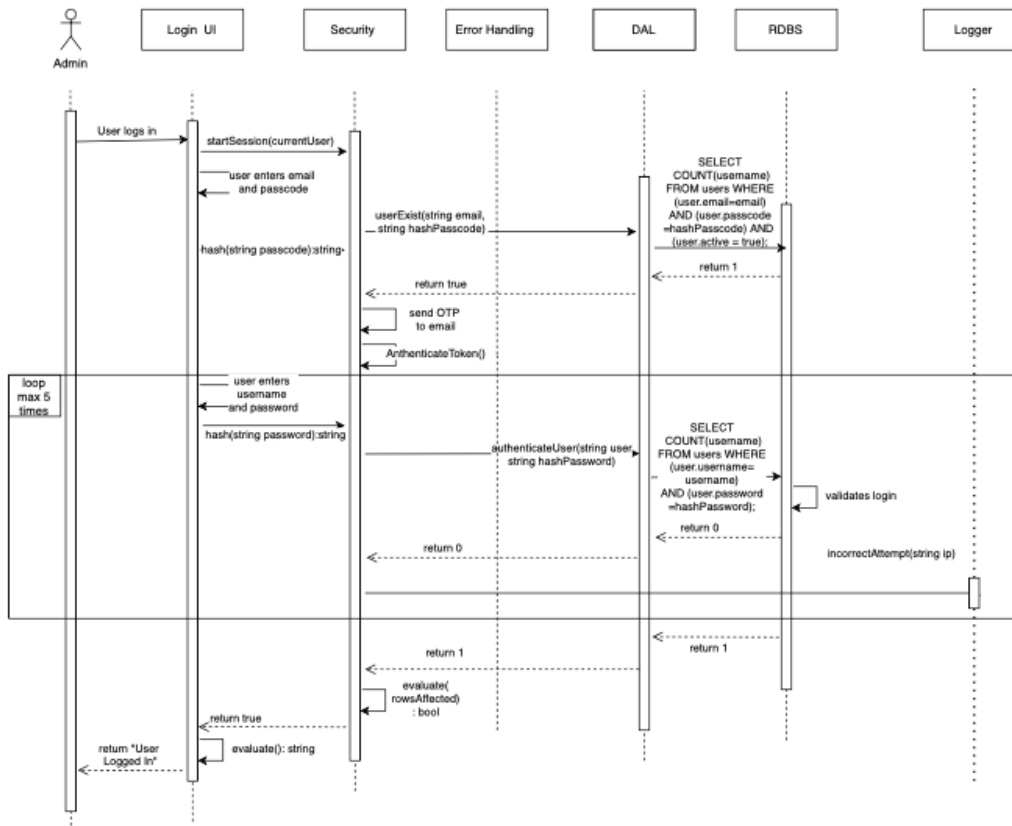
- C#
- .Net and ASPNET
- SQL Server 2019 Developer/Express Edition
- SQL Server Management
- Video Studio Code and Visual Studio Community
- HTML

Authenticate

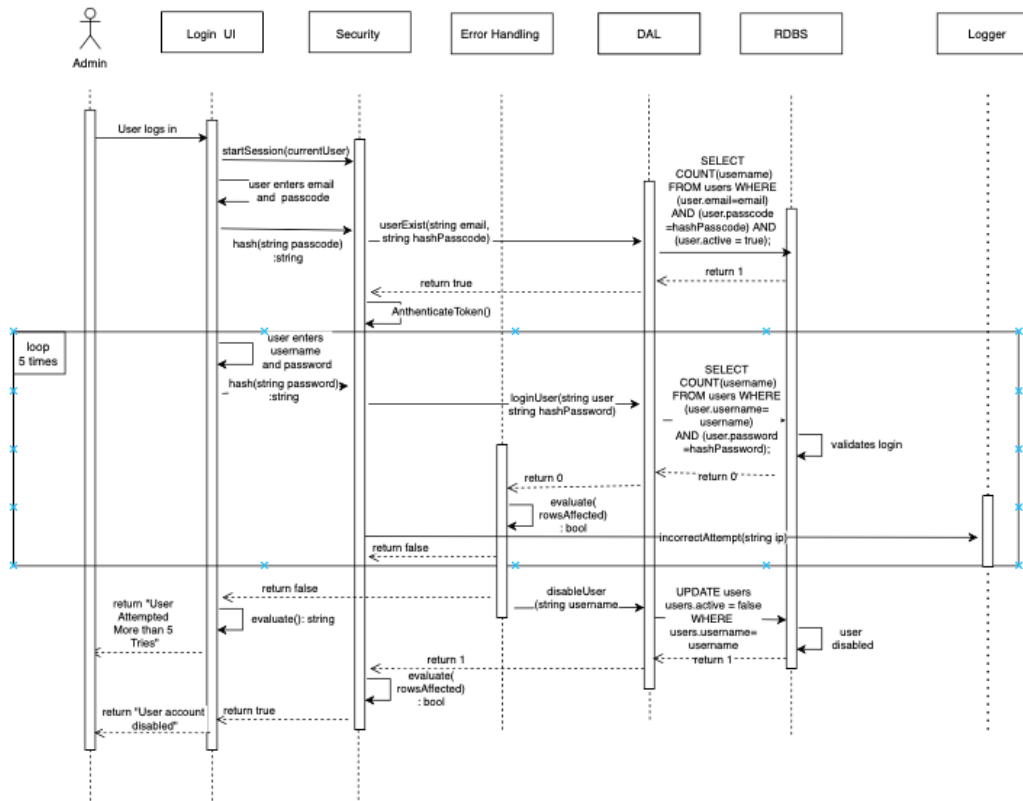
Sequence Diagrams:

- To be able to log into an account, a user must have already successfully registered an account with the system
- A user has at most 5 attempts within a 24 hour period to enter the correct username and OTP to gain access to the system

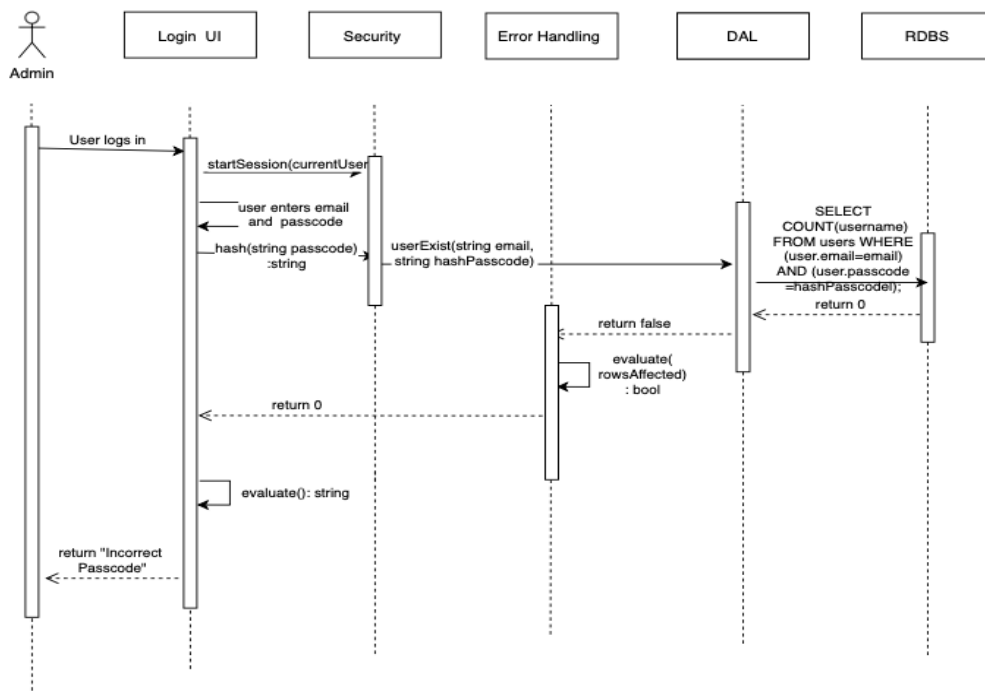
Authenticate (Success)



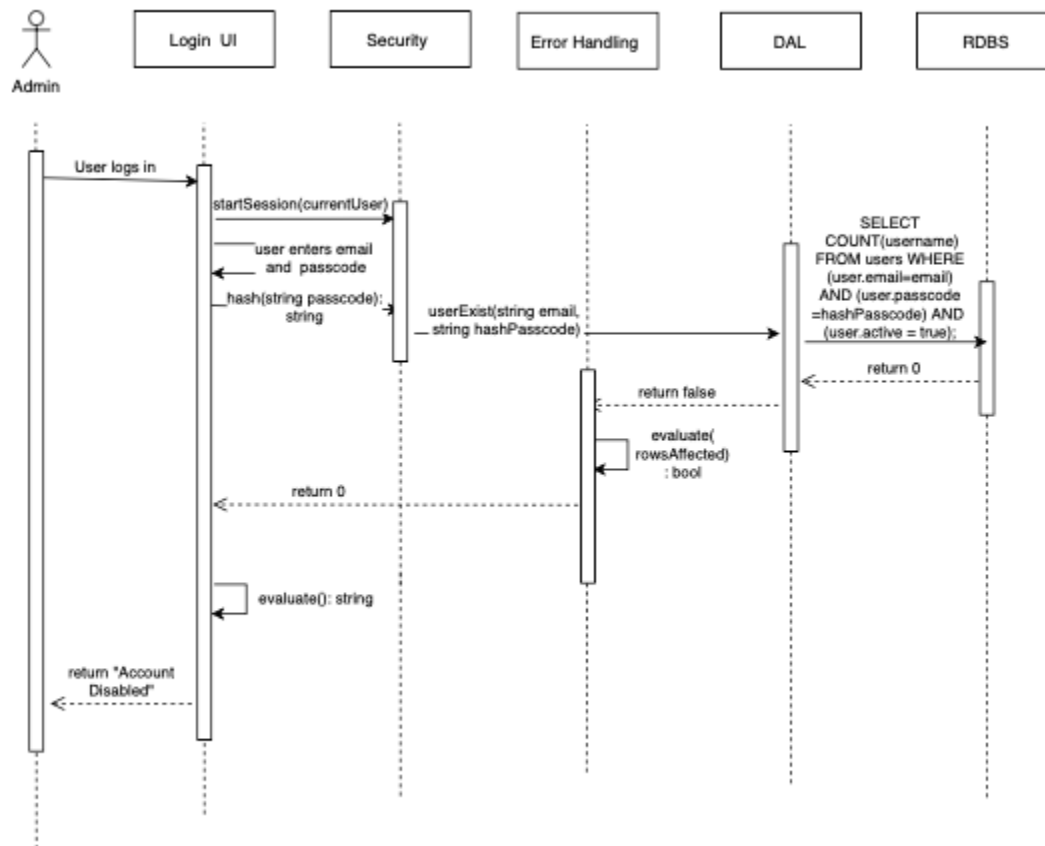
Authenticate Fail (More than 5 Failed Attempts)



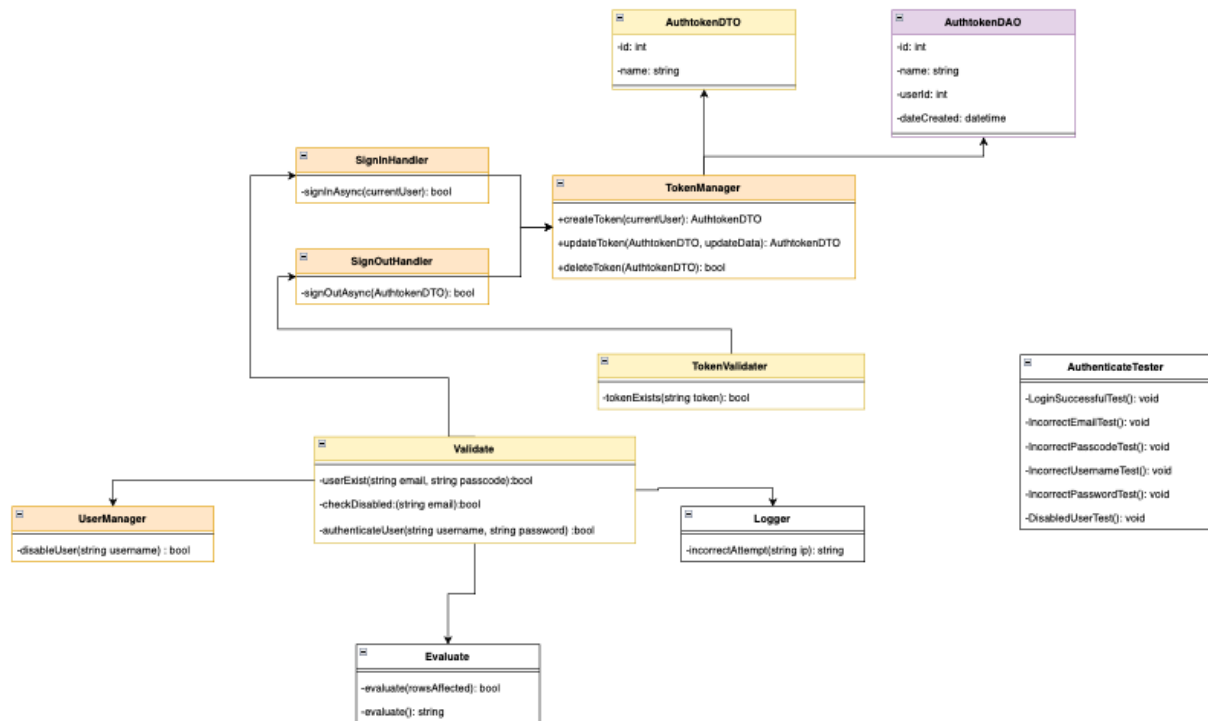
Authenticate Fail (Incorrect Email or Passphrase)



Authenticate Fail (Account Disabled)



Class Diagrams:

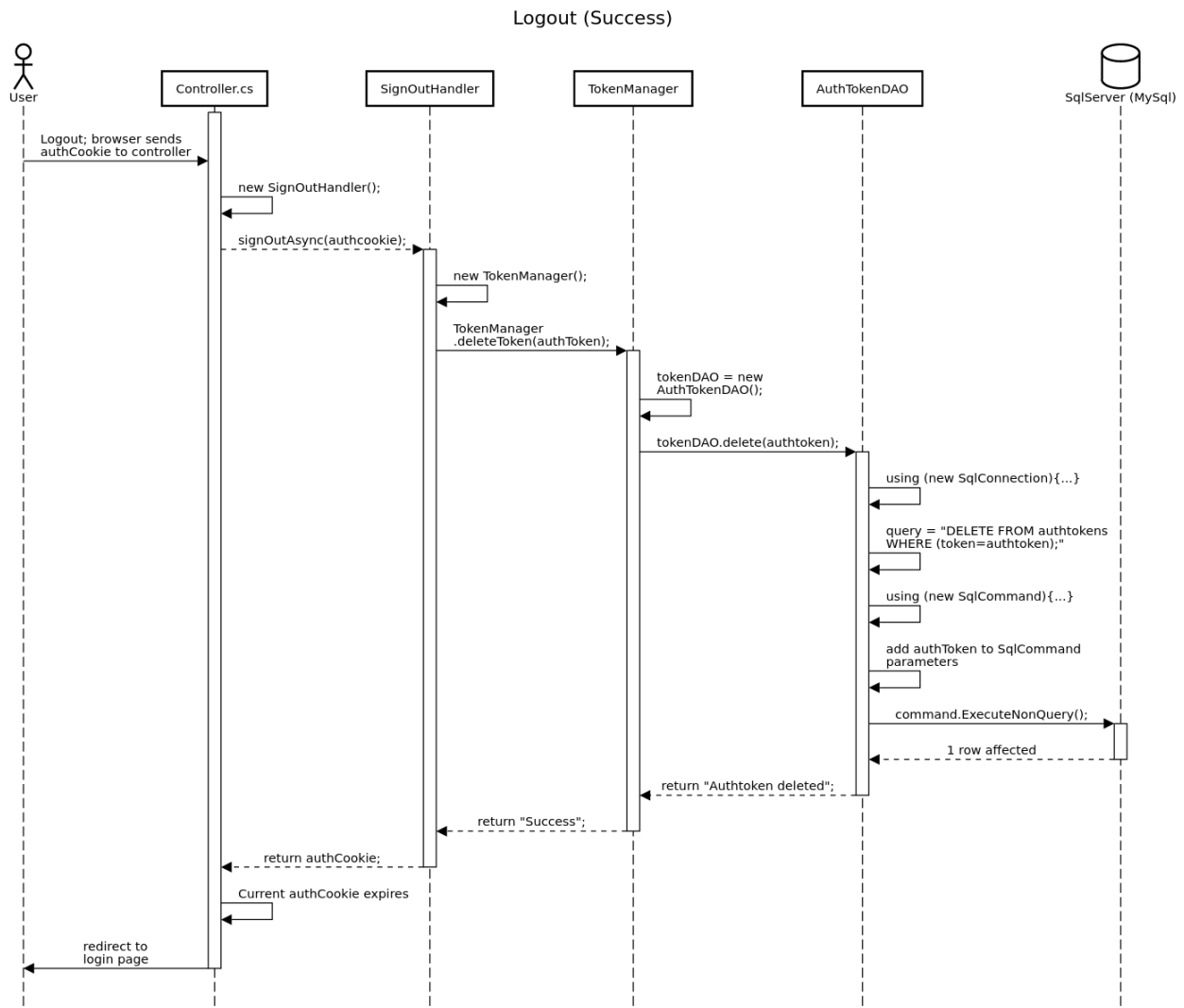


Logout

Sequence Diagrams:

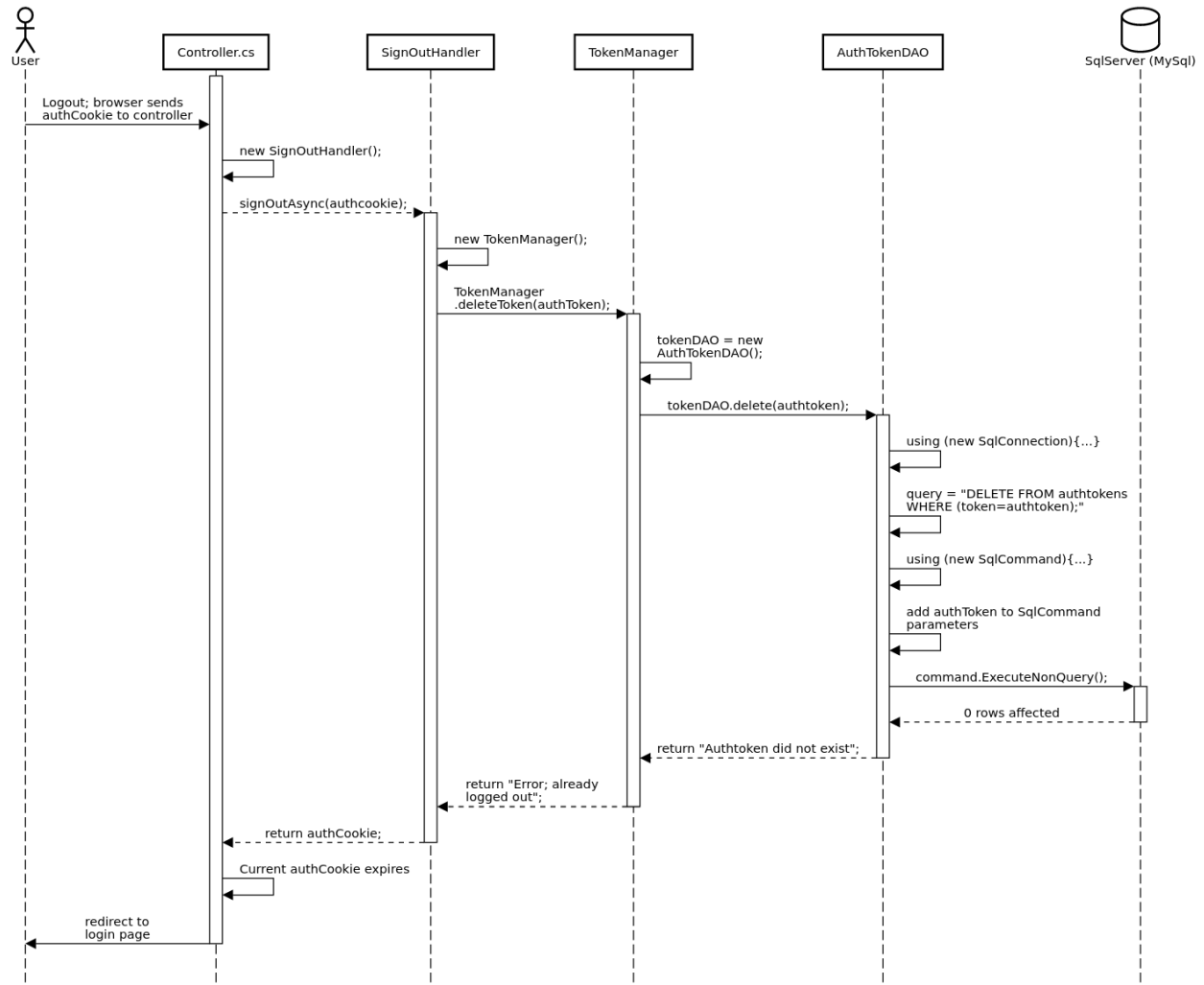
- To log out of an account, a user must be successfully logged into an account
- A user can log out by either closing the browser or by manually logging out

Logout (Success)



Logout (Fail)

Logout (token did not exist in the database)



Class Diagrams:

