BCC Iteration 2

Mark Fuller

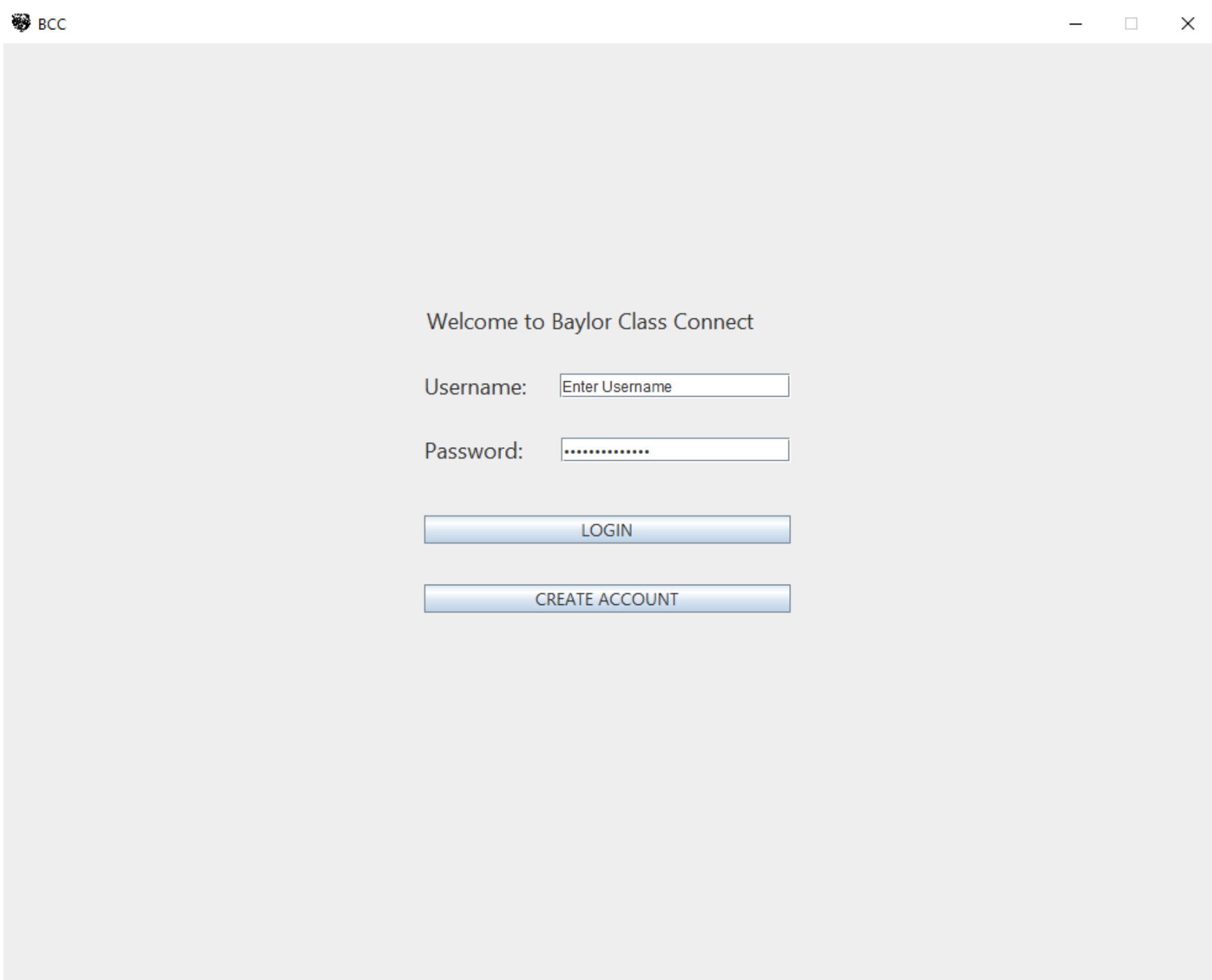
Kevin Kulda

Connor Woodahl

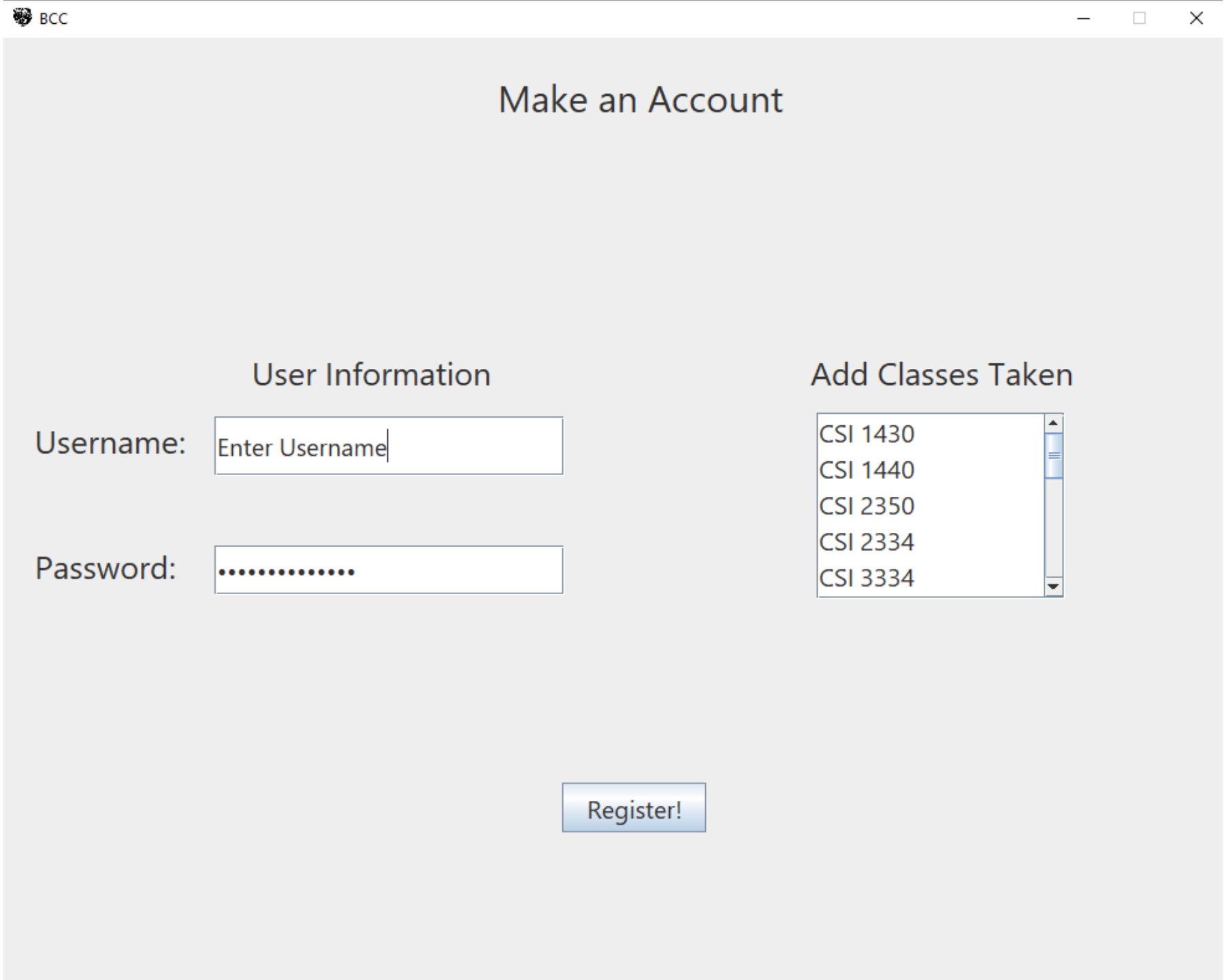
Project Repository: https://github.com/MarkFuller1/BNU

Application Interface

Login


BCC
Welcome to Baylor Class Connect
Username:
Enter Username
Password:
LOGIN
CREATE ACCOUNT

Register


BCC
Make an Account
User Information
Add Classes Taken
Username:
Enter Username
Password:
CSI 1430
CSI 1440
CSI 2350
CSI 2334
CSI 3334
Register!

Main Page

BCC

Log Out

Profile

Baylor Class Connect

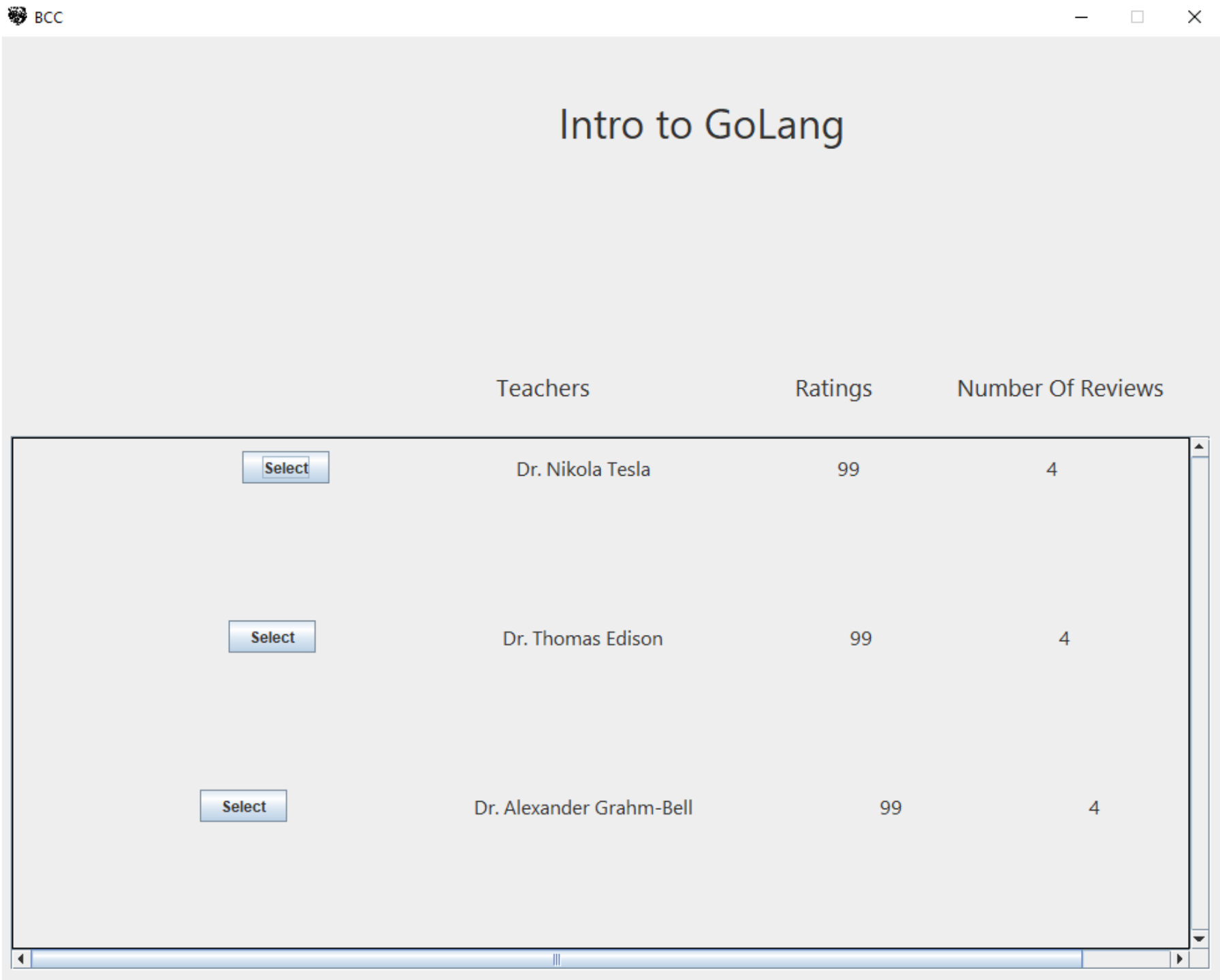
Search By Class

Adventures in Multi-Threading

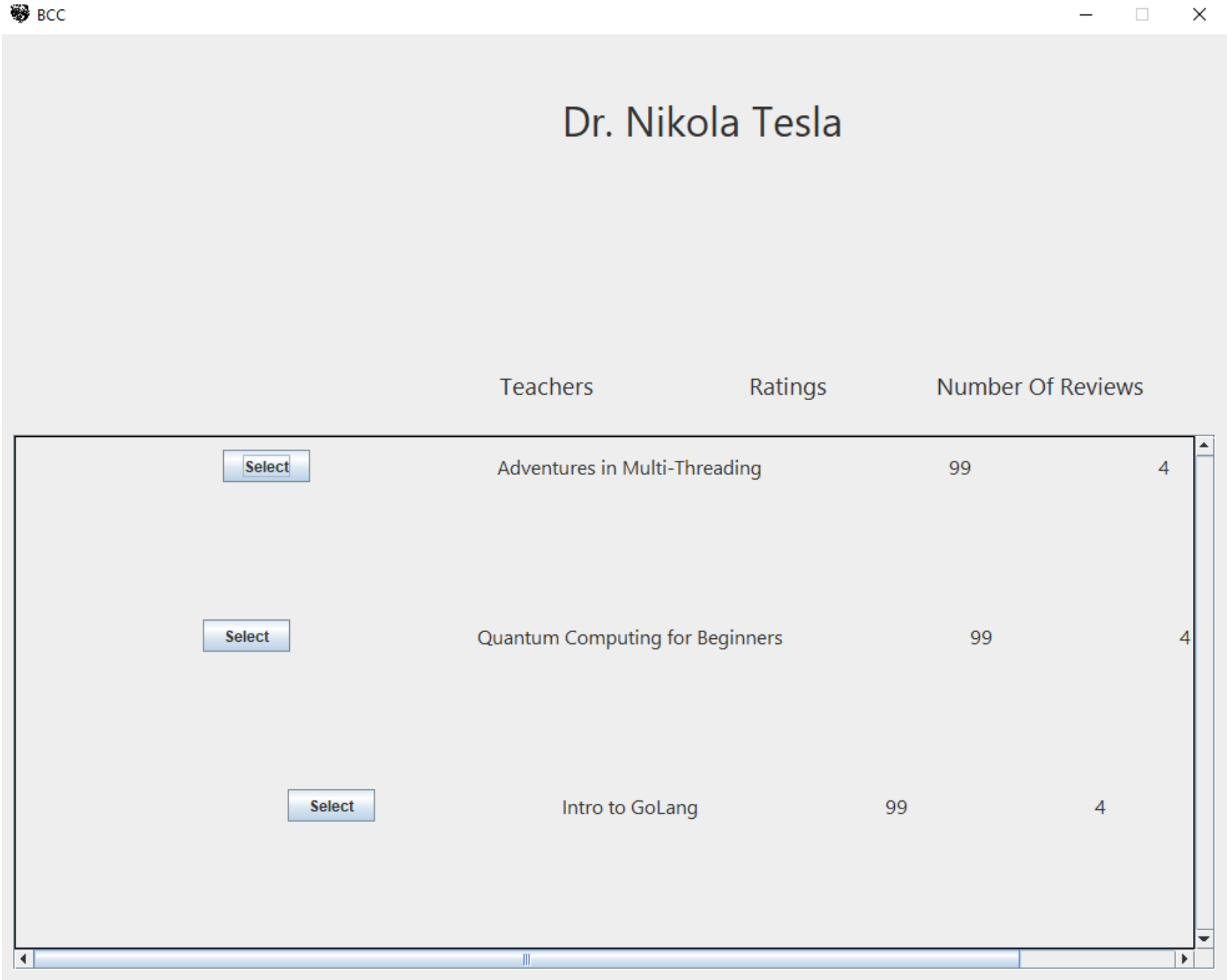
Search By Professor

Dr. Nikola Tesla

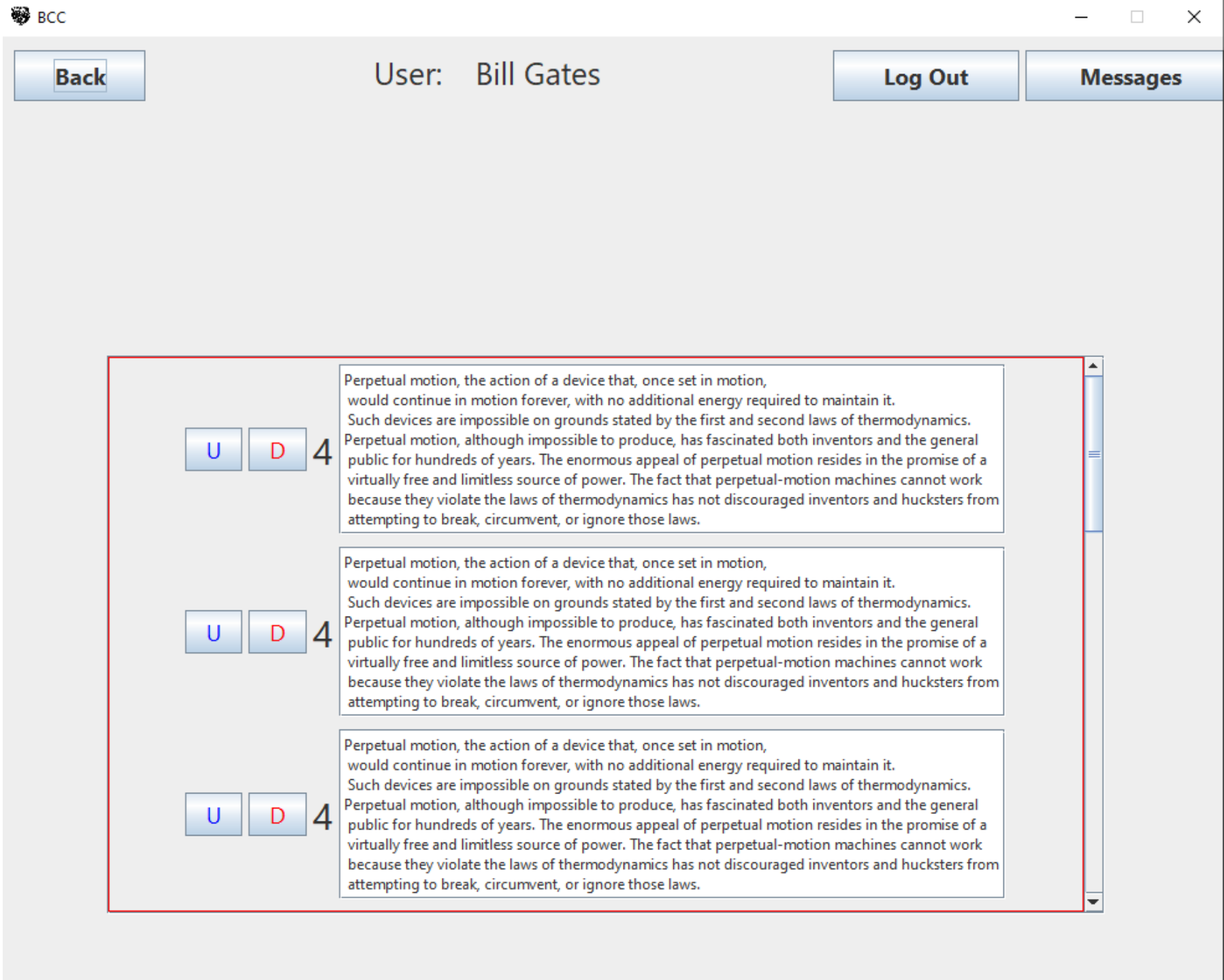
Search by Class



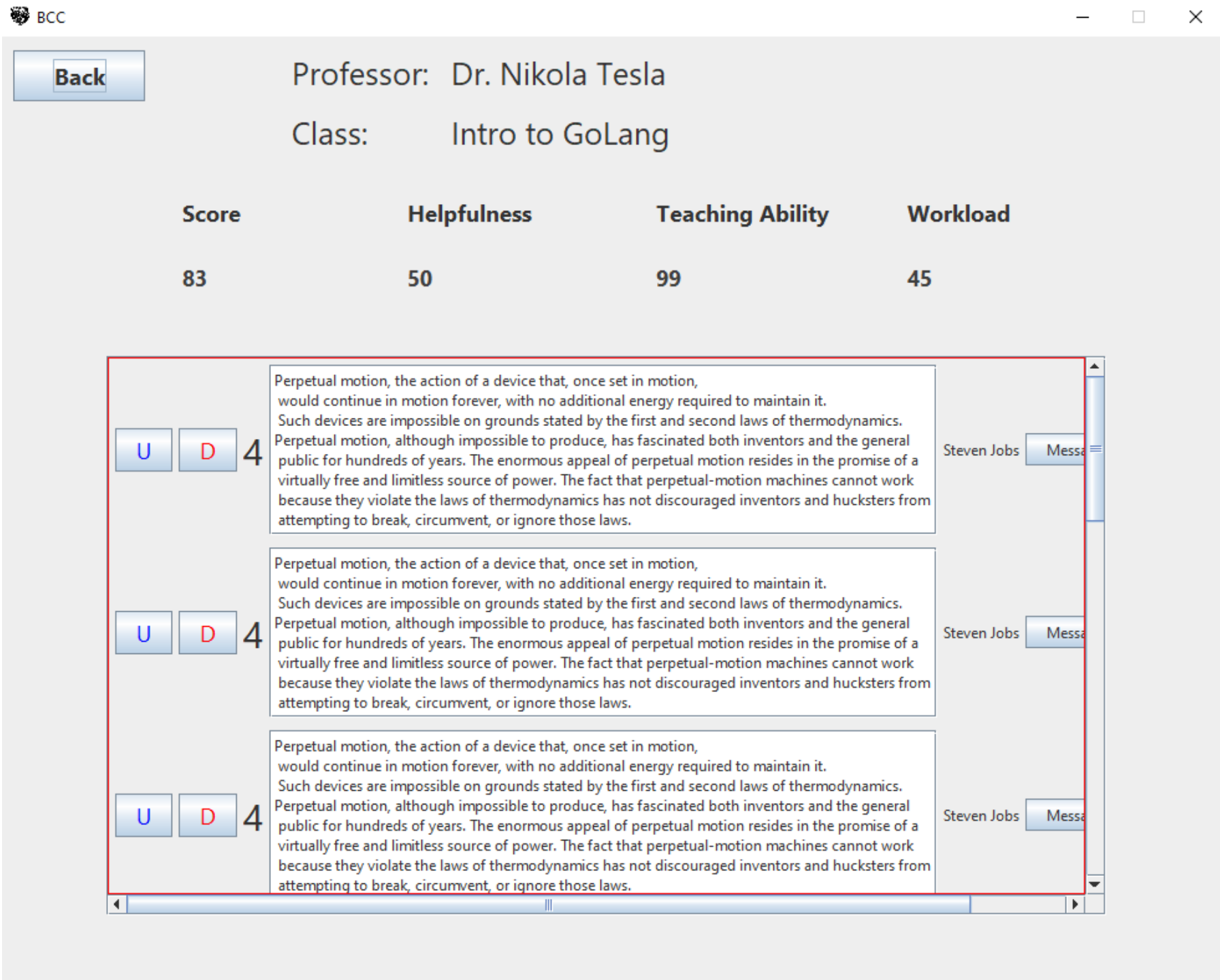
Search by Professor



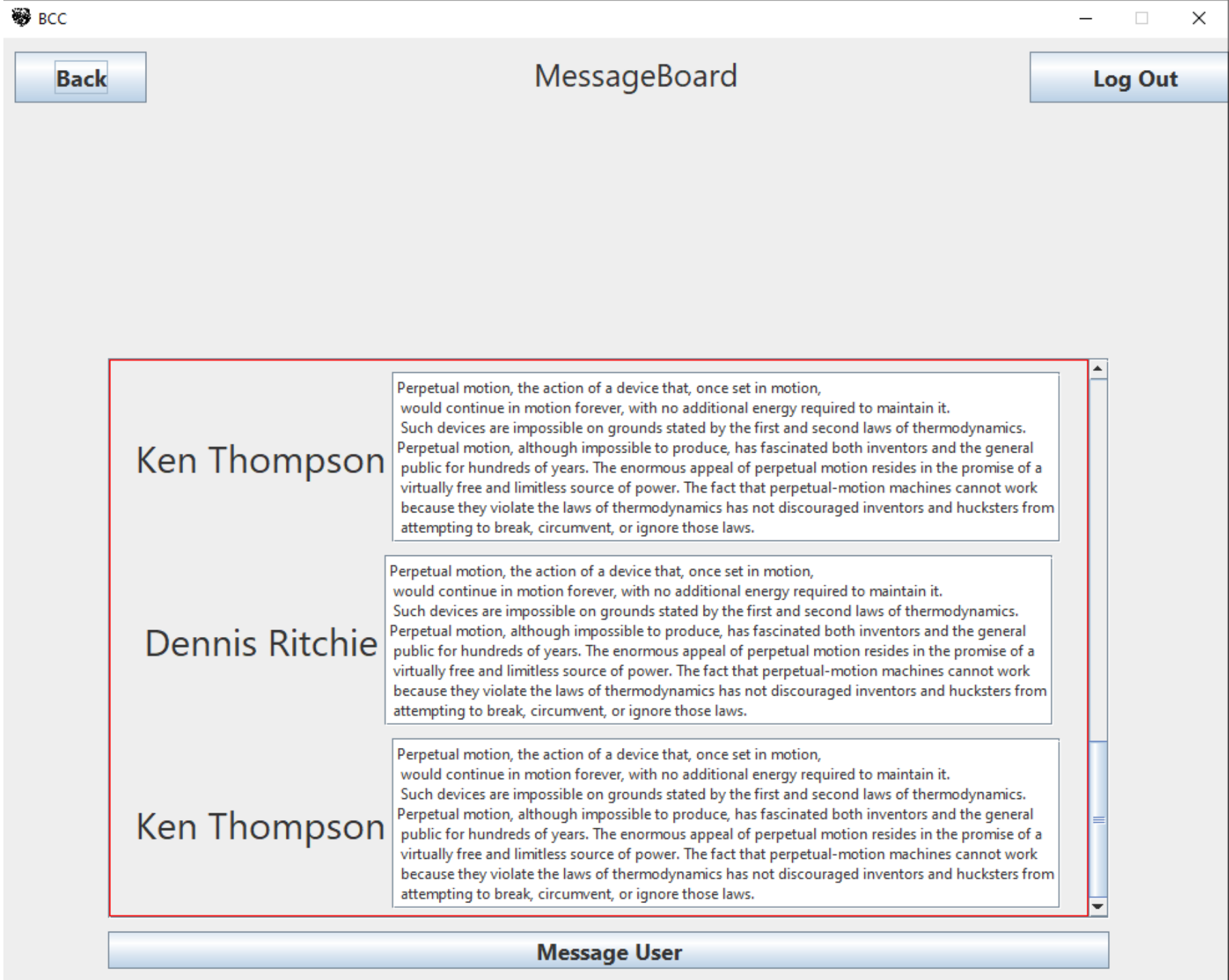
User Reviews



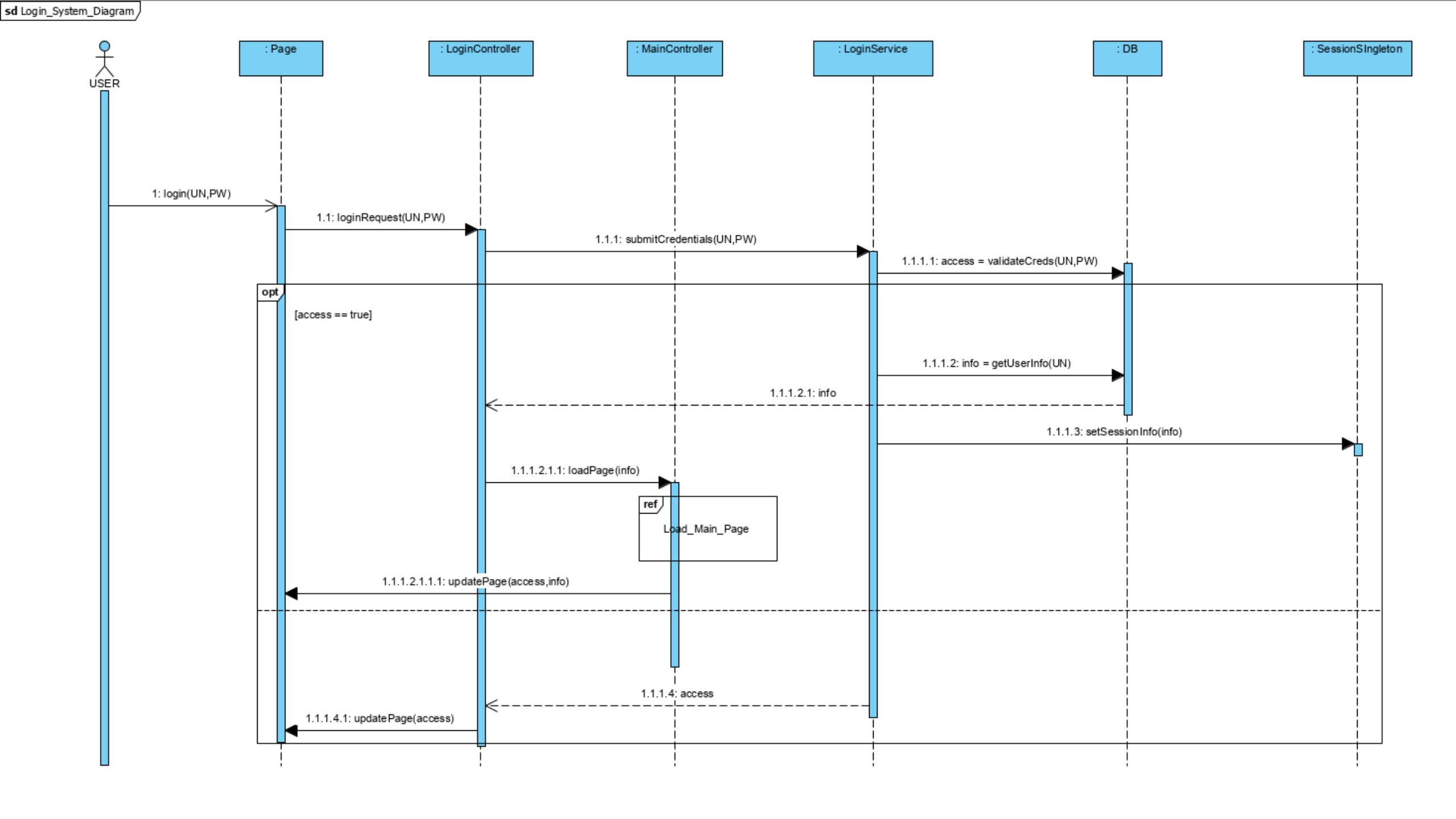
Class Reviews

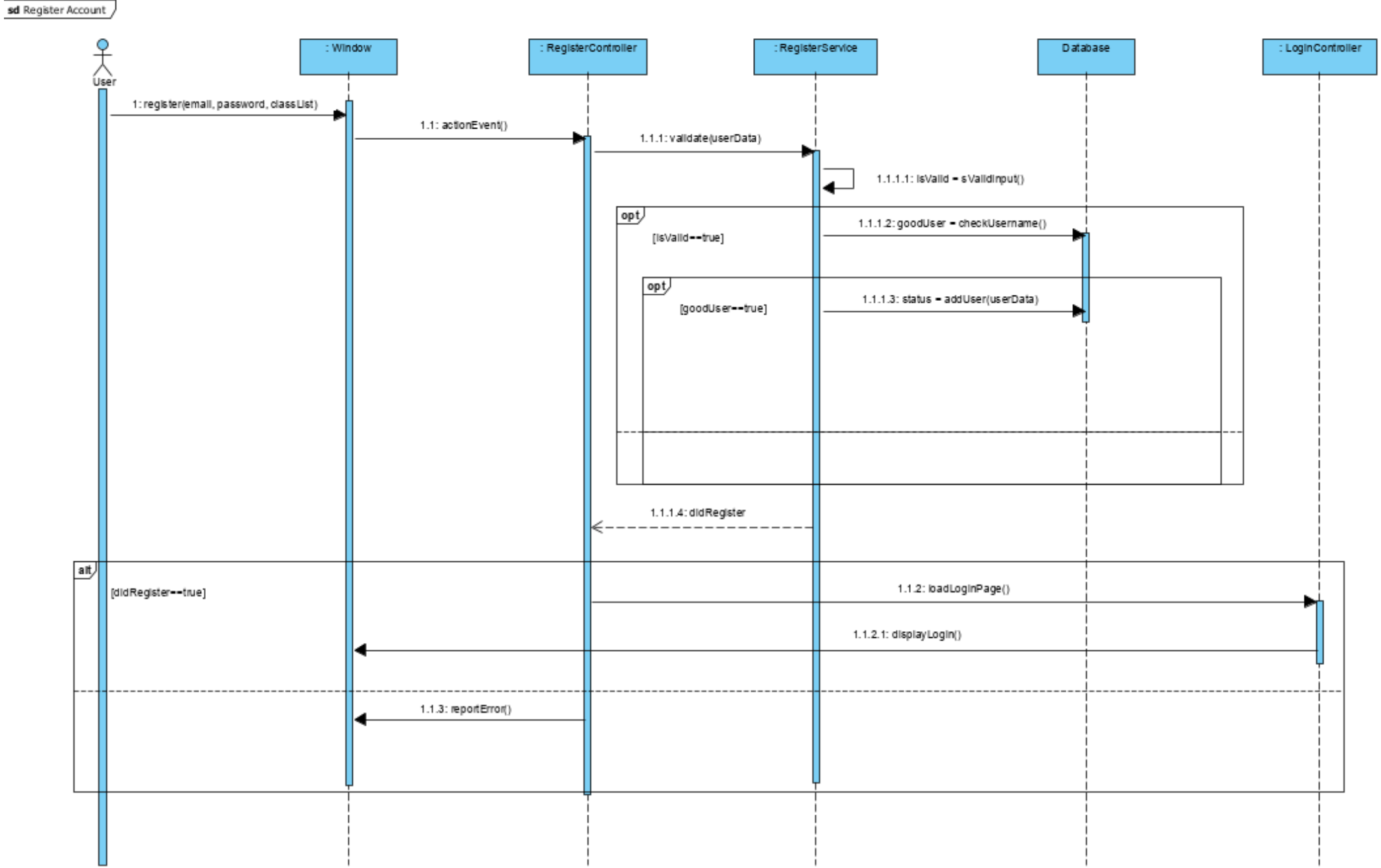


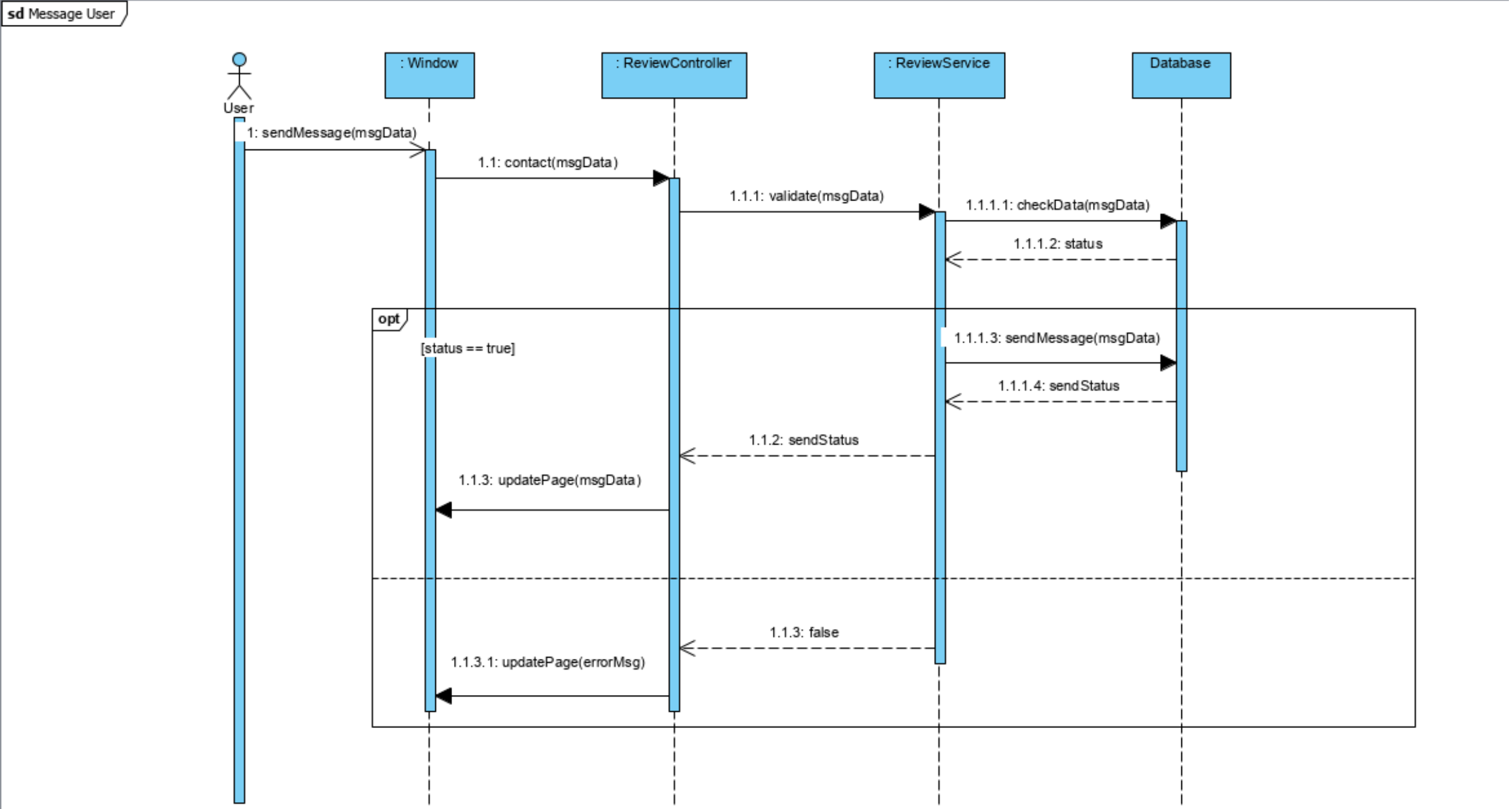
Message Board

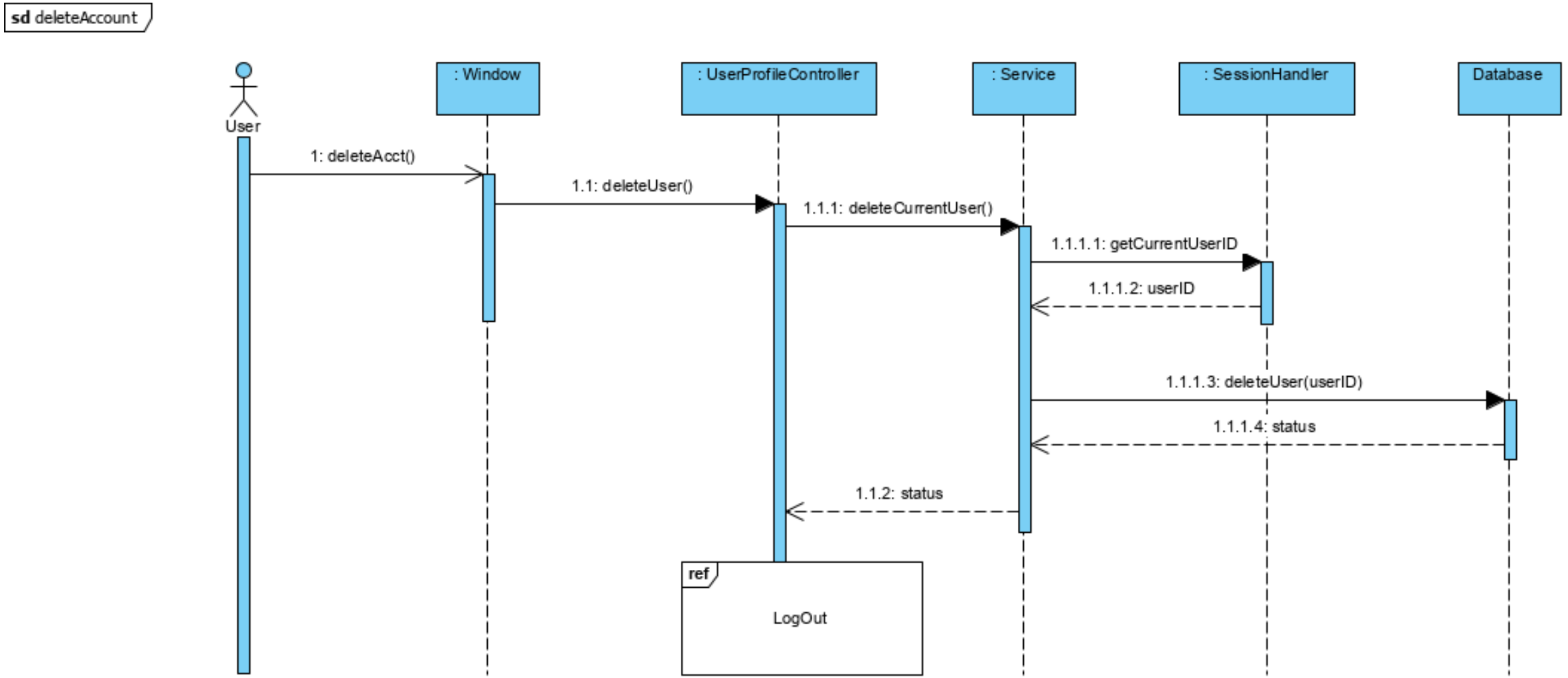


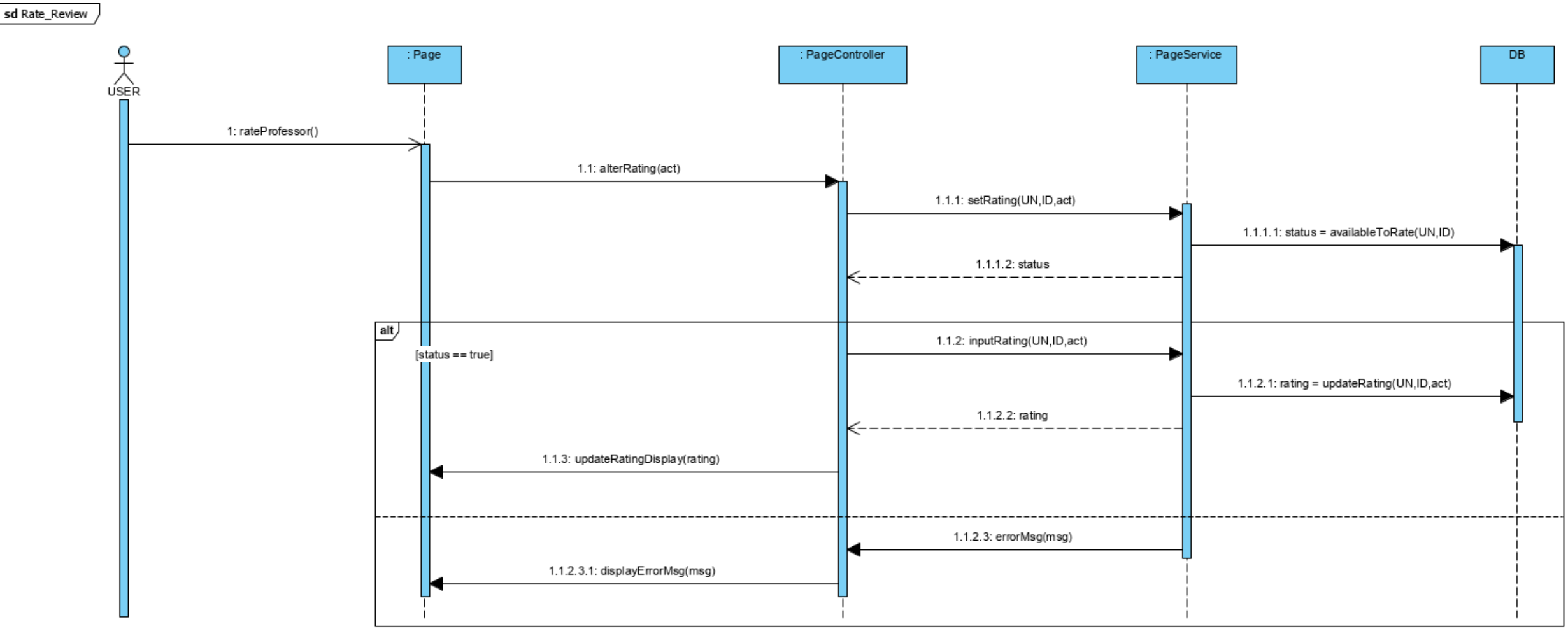
Sequence Diagrams

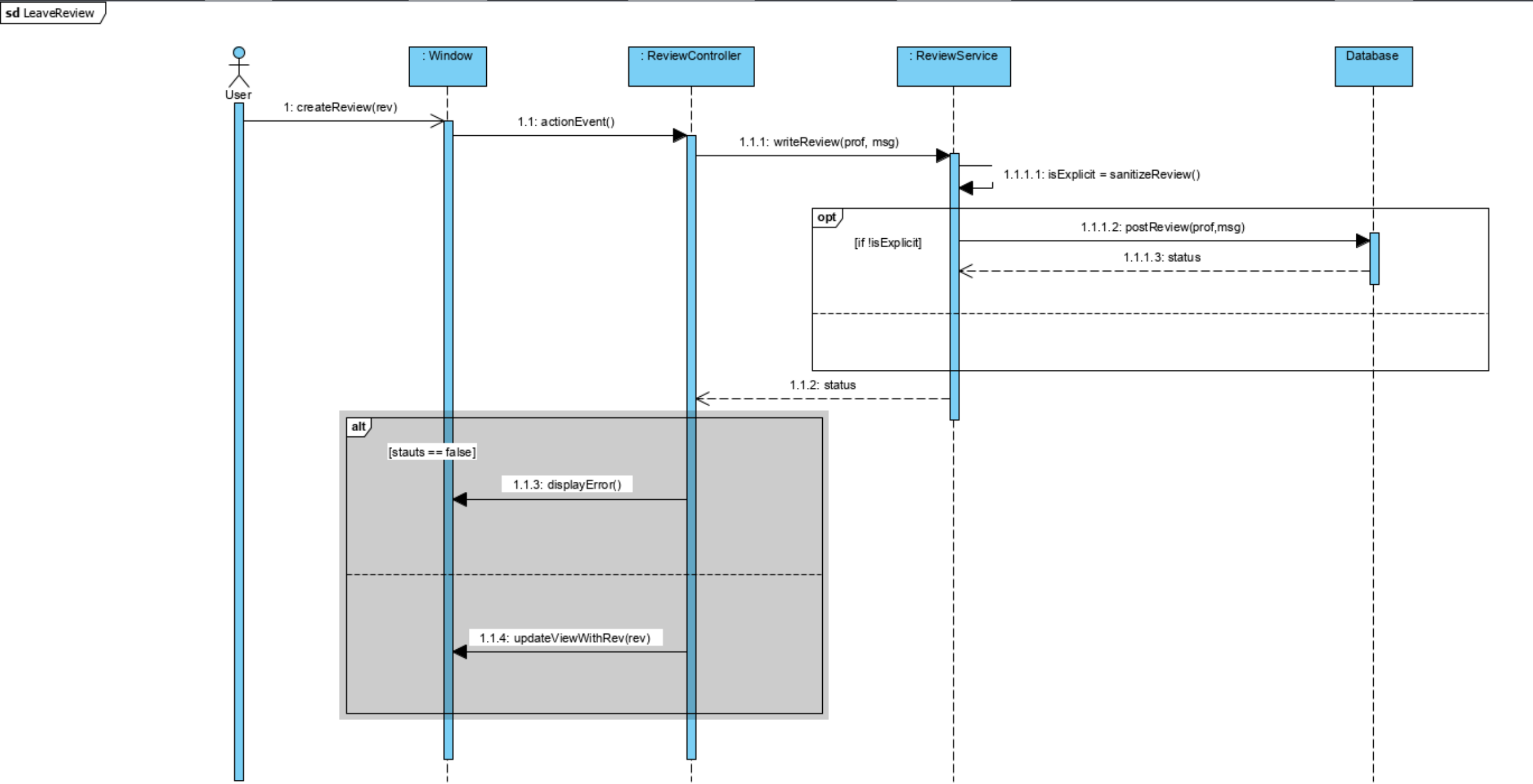

sd Login_System_Diagram
USER
: Page
: LoginController
: MainController
: LoginService
: DB
: SessionSIngleton
1: login(UN,PW)
1.1: loginRequest(UN,PW)
1.1.1: submitCredentials(UN,PW)
1.1.1.1: access = validateCreds(UN,PW)
opt
[access == true]
1.1.1.2: info = getUserInfo(UN)
1.1.1.2.1: info
1.1.1.3: setSessionInfo(info)
1.1.1.2.1.1: loadPage(info)
ref
Load_Main_Page
1.1.1.2.1.1.1: updatePage(access,info)
1.1.1.4: access
1.1.1.4.1: updatePage(access)

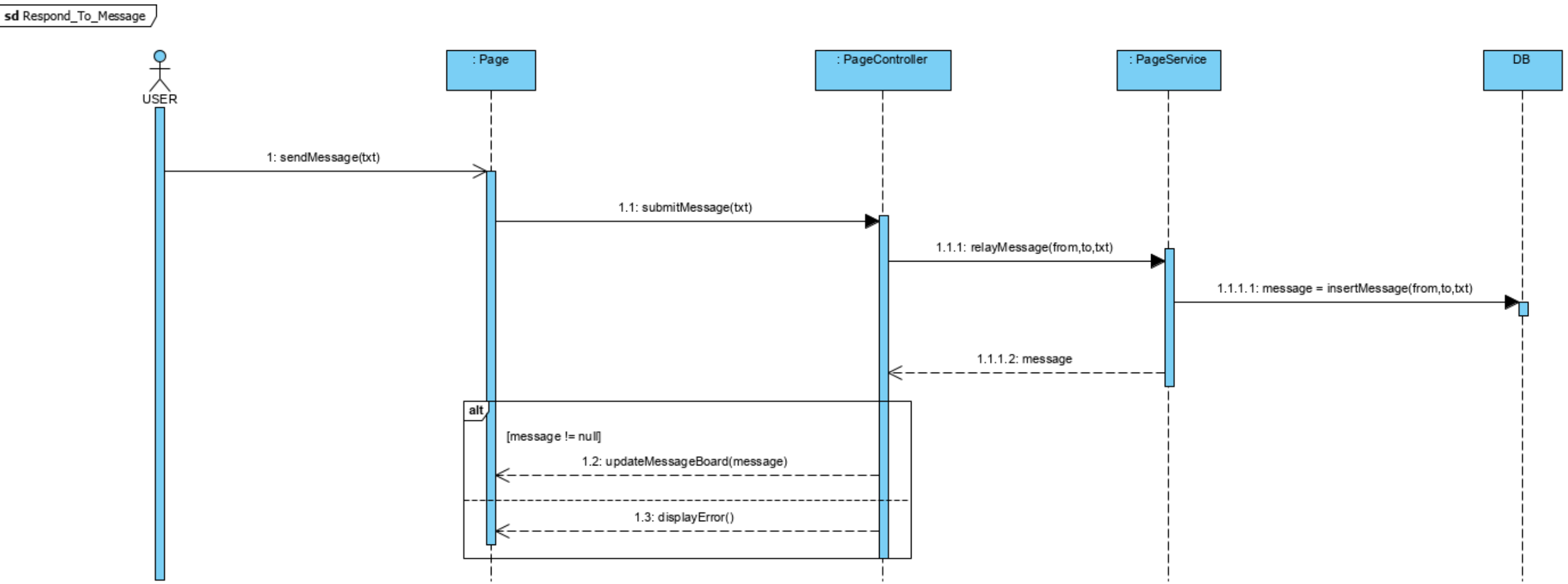

sd Register Account
User
: Window
: RegisterController
: RegisterService
Database
: LoginController
1: register(email, password, classList)
1.1: actionEvent()
1.1.1: validate(userData)
1.1.1.1: isValid = isValidInput()
opt
[isValid==true]
1.1.1.2: goodUser = checkUsername()
opt
[goodUser==true]
1.1.1.3: status = addUser(userData)
1.1.1.4: didRegister
alt
[didRegister==true]
1.1.2: loadLoginPage()
1.1.2.1: displayLogin()
1.1.3: reportError()

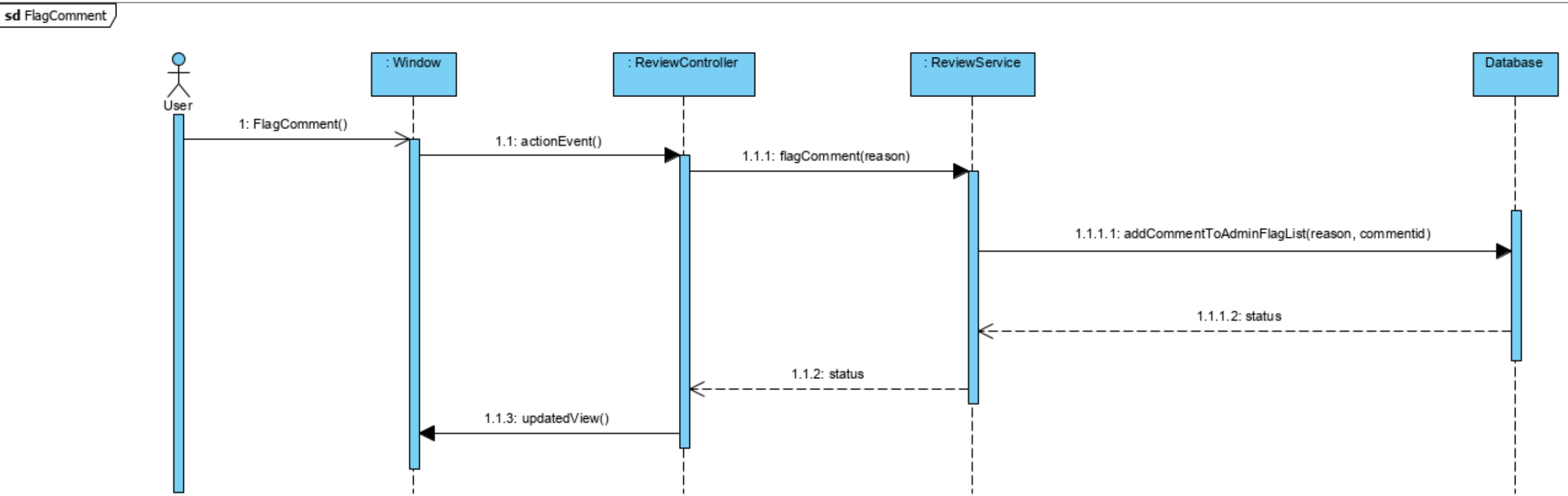

sd Message User
User
: Window
: ReviewController
: ReviewService
Database
1: sendMessage(msgData)
1.1: contact(msgData)
1.1.1: validate(msgData)
1.1.1.1: checkData(msgData)
1.1.1.2: status
opt
[status == true]
1.1.1.3: sendMessage(msgData)
1.1.1.4: sendStatus
1.1.2: sendStatus
1.1.3: updatePage(msgData)
1.1.3: false
1.1.3.1: updatePage(errorMsg)

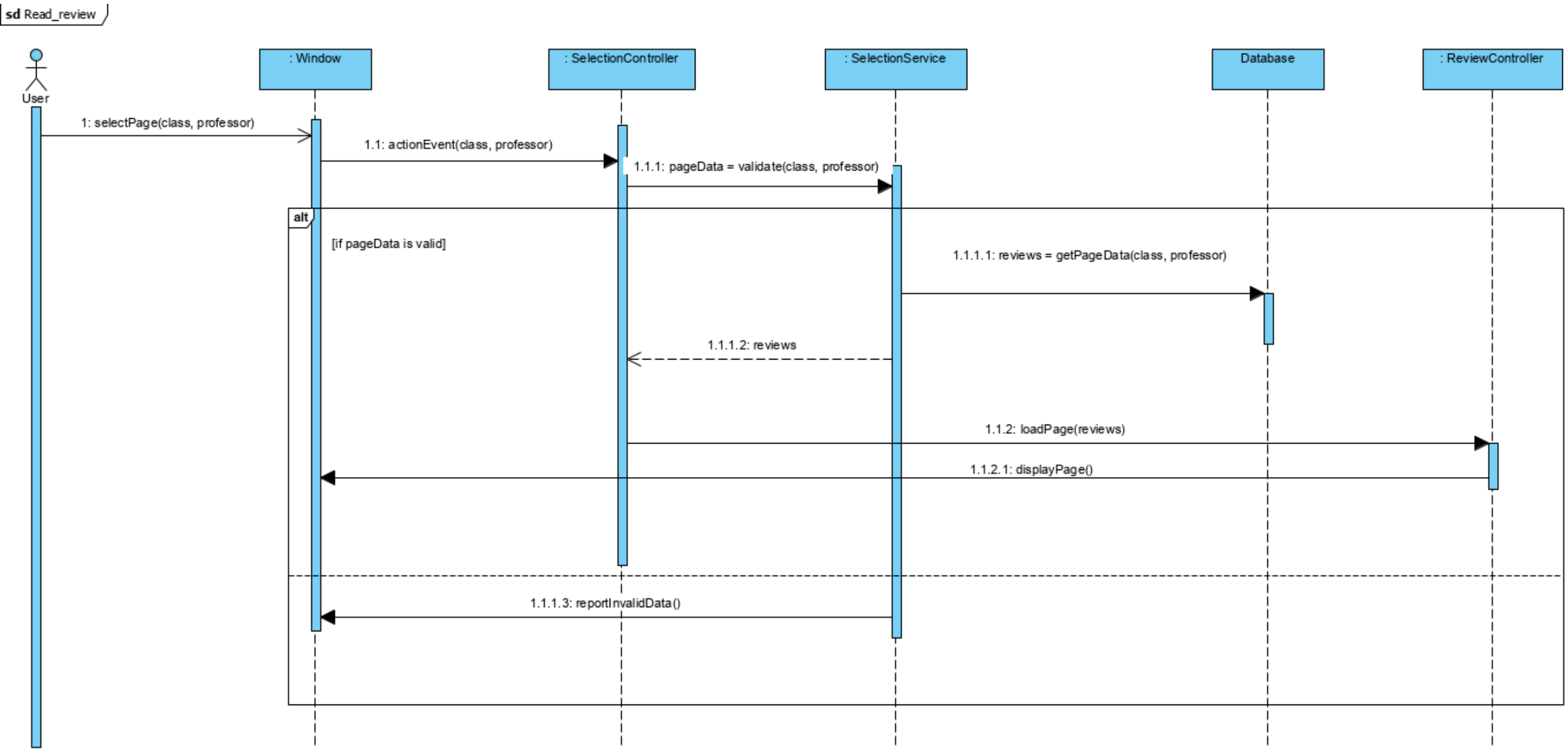

sd deleteAccount
User
: Window
: UserProfileController
: Service
: SessionHandler
Database
1: deleteAcct()
1.1: deleteUser()
1.1.1: deleteCurrentUser()
1.1.1.1: getCurrentUserID
1.1.1.2: userID
1.1.1.3: deleteUser(userID)
1.1.1.4: status
1.1.2: status
ref
LogOut

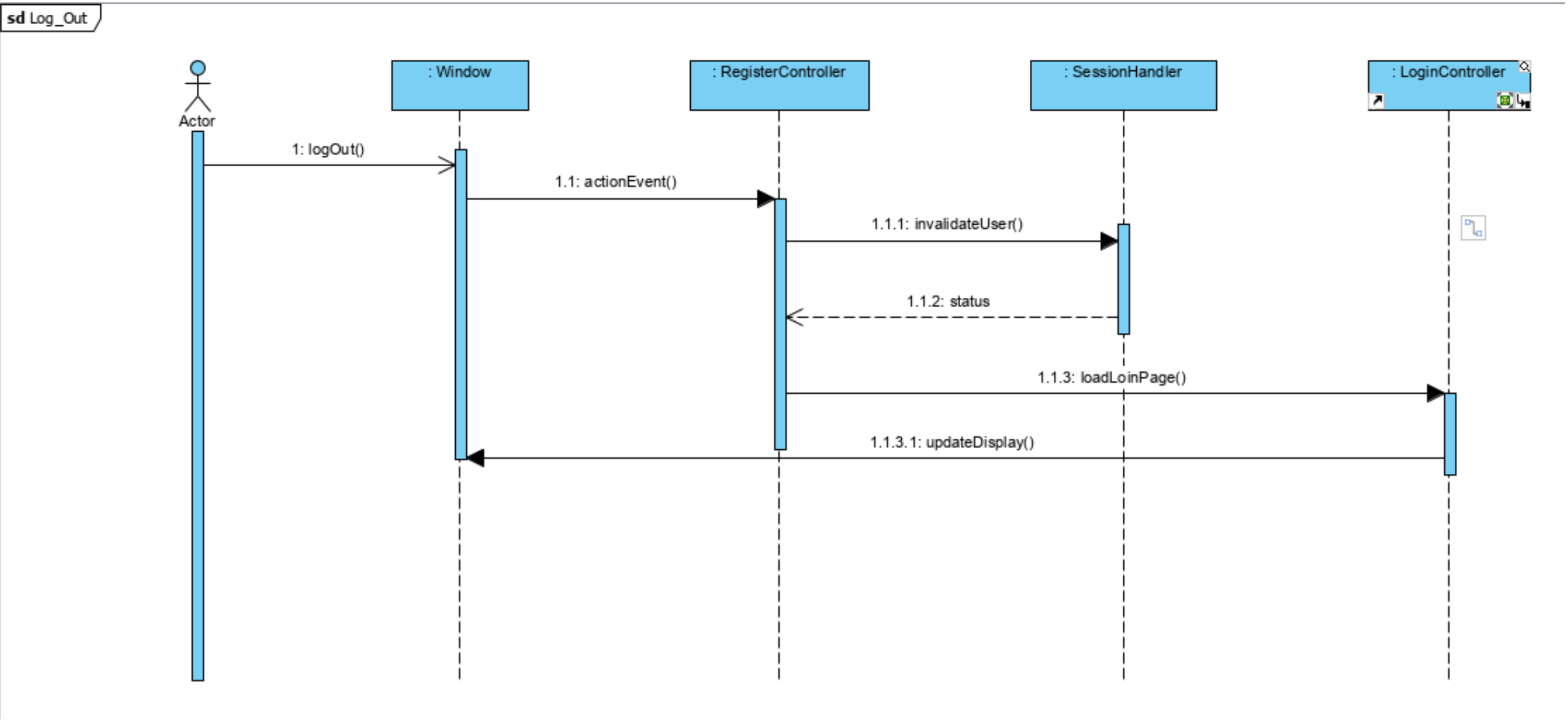

sd Rate_Review
USER
: Page
: PageController
: PageService
DB
1: rateProfessor()
1.1: alterRating(act)
1.1.1: setRating(UN,ID,act)
1.1.1.1: status = availableToRate(UN,ID)
1.1.1.2: status
alt
[status == true]
1.1.2: inputRating(UN,ID,act)
1.1.2.1: rating = updateRating(UN,ID,act)
1.1.2.2: rating
1.1.3: updateRatingDisplay(rating)
1.1.2.3: errorMsg(msg)
1.1.2.3.1: displayErrorMsg(msg)


sd LeaveReview
User
: Window
: ReviewController
: ReviewService
Database
1: createReview(rev)
1.1: actionEvent()
1.1.1: writeReview(prof, msg)
1.1.1.1: isExplicit = sanitizeReview()
opt
[if !isExplicit]
1.1.1.2: postReview(prof,msg)
1.1.1.3: status
1.1.2: status
alt
[stauts == false]
1.1.3: displayError()
1.1.4: updateViewWithRev(rev)


sd Respond_To_Message
USER
: Page
: PageController
: PageService
DB
1: sendMessage(txt)
1.1: submitMessage(txt)
1.1.1: relayMessage(from,to,txt)
1.1.1.1: message = insertMessage(from,to,txt)
1.1.1.2: message
alt
[message != null]
1.2: updateMessageBoard(message)
1.3: displayError()

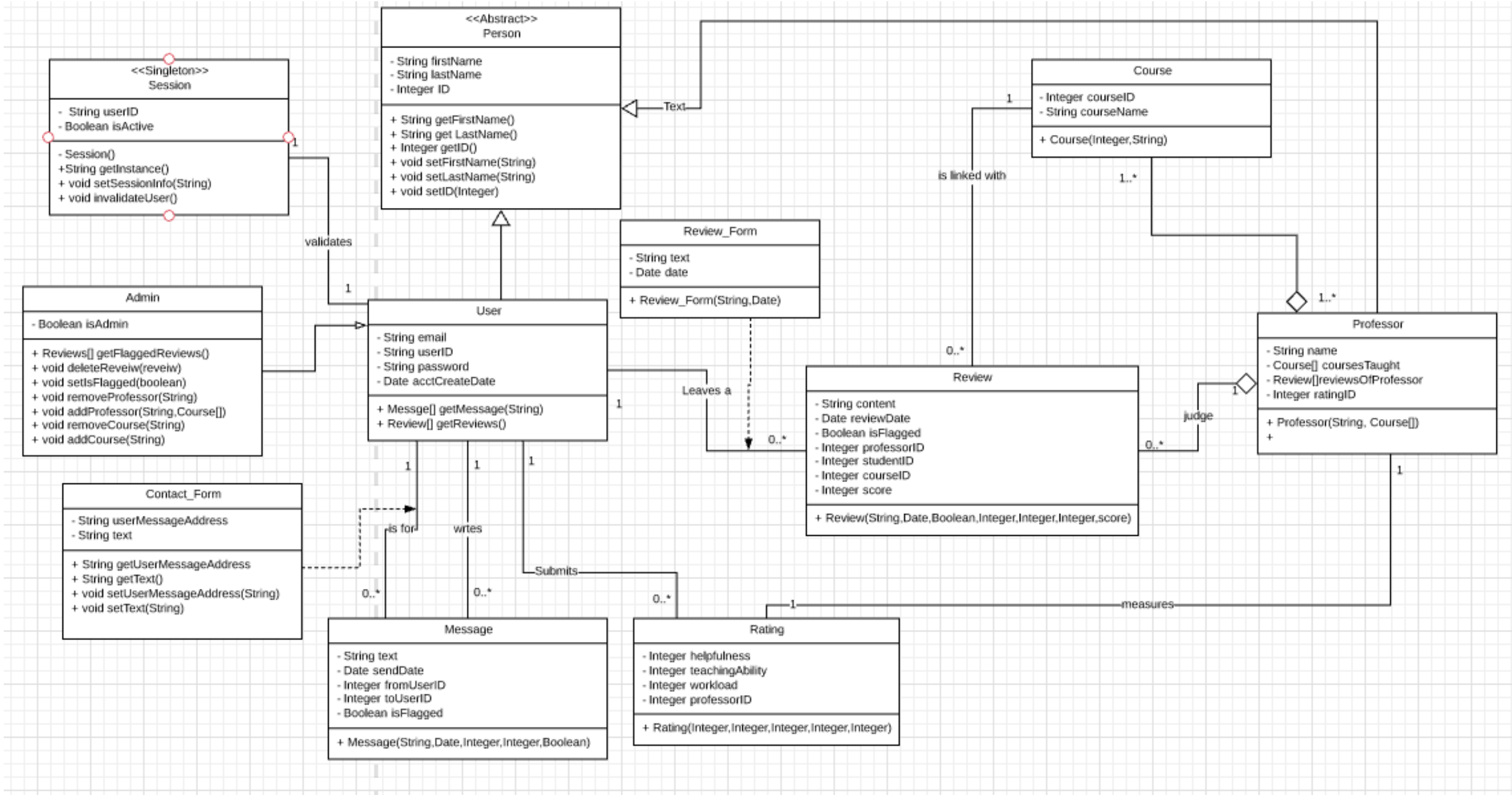

sd FlagComment
User
: Window
: ReviewController
: ReviewService
Database
1: FlagComment()
1.1: actionEvent()
1.1.1: flagComment(reason)
1.1.1.1: addCommentToAdminFlagList(reason, commentid)
1.1.1.2: status
1.1.2: status
1.1.3: updatedView()


sd Read_review
User
: Window
: SelectionController
: SelectionService
Database
: ReviewController
1: selectPage(class, professor)
1.1: actionEvent(class, professor)
1.1.1: pageData = validate(class, professor)
alt
[if pageData is valid]
1.1.1.1: reviews = getPageData(class, professor)
1.1.1.2: reviews
1.1.2: loadPage(reviews)
1.1.2.1: displayPage()
1.1.1.3: reportInvalidData()

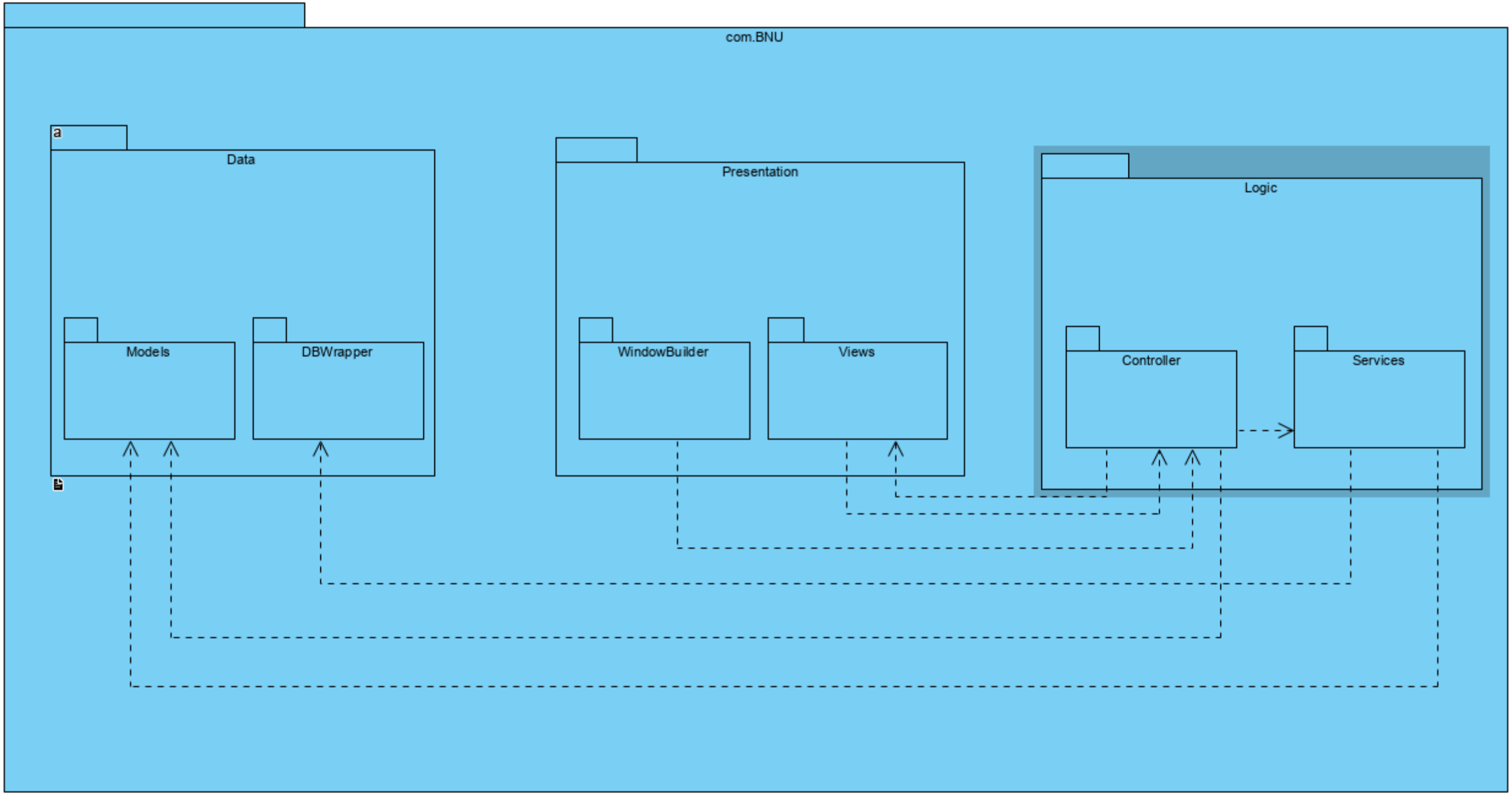

sd Log_Out
Actor
: Window
: RegisterController
: SessionHandler
: LoginController
1: logOut()
1.1: actionEvent()
1.1.1: invalidateUser()
1.1.2: status
1.1.3: loadLoinPage()
1.1.3.1: updateDisplay()

Design Class Diagram

BCC Application



Package Diagram


com.BNU
a
Data
Models
DBWrapper
Presentation
WindowBuilder
Views
Logic
Controller
Services

Doxygen Project Documentation

Software_Engineering_1 - file:/C:/Users/Kevin/Documents/Software_Engineering_1/BNU/BCC/dioxy/html/annotated.html - Eclipse IDE

File Edit Navigate Search Project Run Window Help

Quick Access

Package Explorer

- html
  - search
  - _class_by_teacher_controller_8java.html
  - _class_by_teacher_model_8java.html
  - _class_by_teacher_view_8java.html
  - _course_8java.html
  - _course_list_entry_8java.html
  - _course_professor_8java.html
  - _database_mock_8java.html
  - _input_message_8java.html
  - _login_controller_8java.html
  - _login_model_8java.html
  - _login_view_8java.html
  - _main_8java.html
  - _main_controller_8java.html
  - _main_model_8java.html
  - _main_view_8java.html
  - _message_board_controller_8java.html
  - _message_board_model_8java.html
  - _message_board_view_8java.html
  - _message_model_8java.html
  - _page_controller_8java.html
  - _professor_8java.html
  - _professor_course_8java.html
  - _register_controller_8java.html
  - _register_model_8java.html
  - _register_view_8java.html
  - _review_item_8java.html
  - _teacher_list_entry_8java.html
  - _teacher_review_controller_8java.html
  - _teacher_review_model_8java.html
  - _teacher_review_view_8java.html
  - _teachers_by_class_controller_8java.html
  - _teachers_by_class_model_8java.html
  - _teachers_by_class_view_8java.html
  - _user_review_2_review_model_8java.html
  - _user_review_controller_8java.html
  - _user_review_model_8java.html
  - _user_review_view_8java.html
  - _window_builder_8java.html
  - annotated_dup.js
  - annotated.html
  - bc_s.png
  - bdwn.png
  - classcom_1_1_b_n_u_1_1database_1_1_database_
  - classcom_1_1_b_n_u_1_1database_1_1_database_
  - classcom_1_1_b_n_u_1_1database_1_1_database_
  - classcom_1_1_b_n_u_1_1database_1_1_database_
  - classcom_1_1_b_n_u_1_1pages_1_1_page_control
  - classcom_1_1_b_n_u_1_1pages_1_1_page_control
  - classcom_1_1_b_n_u_1_1pages_1_1_page_control

WorkerFileHandleLeak.java | WorkerMemory.java | WorkerCPU.java | Worker.java | WorkerPath.java | Main.java | My Project: Packages

file:///C:/Users/Kevin/Documents/Software_Engineering_1/BNU/BCC/dioxy/html/namespaces.html

My Project 1.0

Main Page | Packages | Classes | Files | Search

- My Project
  - Packages
    - Packages
  - Classes
  - Files

Packages

Here are the packages with brief descriptions (if available):

[detail level 1 2 3 4]

- com
  - BNU
    - database
    - pages
      - classesByTeacher
      - login
      - main
      - message_board
      - register
      - teacher_review
      - teachersByClass
      - UserReview
    - startmain
    - windowbuilder

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Console

No consoles to display at this time.

Software_Engineering_1 - file:/C:/Users/Kevin/Documents/Software_Engineering_1/BNU/BCC/dioxy/html/annotated.html - Eclipse IDE

File Edit Navigate Search Project Run Window Help

Quick Access

Package Explorer

- html
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  - _course_8java.html
  - _course_list_entry_8java.html
  - _course_professor_8java.html
  - _database_mock_8java.html
  - _input_message_8java.html
  - _login_controller_8java.html
  - _login_model_8java.html
  - _login_view_8java.html
  - _main_8java.html
  - _main_controller_8java.html
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  - _message_board_model_8java.html
  - _message_board_view_8java.html
  - _message_model_8java.html
  - _page_controller_8java.html
  - _professor_8java.html
  - _professor_course_8java.html
  - _register_controller_8java.html
  - _register_model_8java.html
  - _register_view_8java.html
  - _review_item_8java.html
  - _teacher_list_entry_8java.html
  - _teacher_review_controller_8java.html
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  - _teacher_review_view_8java.html
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  - classcom_1_1_b_n_u_1_1pages_1_1_page_control
  - classcom_1_1_b_n_u_1_1pages_1_1_page_control

WorkerFileHandleLeak.java | WorkerMemory.java | WorkerCPU.java | Worker.java | WorkerPath.java | Main.java | My Project: Class List

file:///C:/Users/Kevin/Documents/Software_Engineering_1/BNU/BCC/dioxy/html/annotated.html

My Project 1.0

Main Page | Packages | Classes | Files | Search

- My Project
  - Packages
  - Classes
    - Class List
    - Class Index
    - Class Hierarchy
    - Class Members
  - Files

Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

[detail level 1 2 3 4 5]

- com
  - BNU
    - database
      - DatabaseMock
      - dbWrapper
    - pages
      - classesByTeacher
        - ClassByTeacherController
        - ClassByTeacherModel
        - ClassByTeacherView
        - Course
        - CourseListEntry
        - ProfessorCourse
      - login
        - LoginController
        - LoginModel
        - LoginView
        - testLoginLayout
        - testMainLayout
      - main

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  - _course_professor_8java.html
  - _database_mock_8java.html
  - _input_message_8java.html
  - _login_controller_8java.html
  - _login_model_8java.html
  - _login_view_8java.html
  - _main_8java.html
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  - _main_model_8java.html
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  - _message_board_model_8java.html
  - _message_board_view_8java.html
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  - _professor_8java.html
  - _professor_course_8java.html
  - _register_controller_8java.html
  - _register_model_8java.html
  - _register_view_8java.html
  - _review_item_8java.html
  - _teacher_list_entry_8java.html
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  - classcom_1_1_b_n_u_1_1database_1_1_database_
  - classcom_1_1_b_n_u_1_1pages_1_1_page_control
  - classcom_1_1_b_n_u_1_1pages_1_1_page_control
  - classcom_1_1_b_n_u_1_1pages_1_1_page_control

WorkerFileHandleLeak.java | WorkerMemory.java | WorkerCPU.java | Worker.java | WorkerPath.java | Main.java | My Project: File List

file:///C:/Users/Kevin/Documents/Software_Engineering_1/BNU/BCC/dioxy/html/files.html

My Project 1.0

Main Page | Packages | Classes | Files | Search

- My Project
  - Packages
  - Classes
  - Files
    - File List

[detail level 1 2 3 4 5 6 7 8]

- src
  - main
    - java
      - com
        - BNU
          - database
            - DatabaseMock.java
            - dbWrapper.java
          - pages
            - classesByTeacher
              - ClassByTeacherController.java
              - ClassByTeacherModel.java
              - ClassByTeacherView.java
              - Course.java
              - CourseListEntry.java
              - ProfessorCourse.java
            - login
              - LoginController.java
              - LoginModel.java
              - LoginView.java
              - testLoginLayout.java
              - testMainLayout.java
            - main
              - MainController.java

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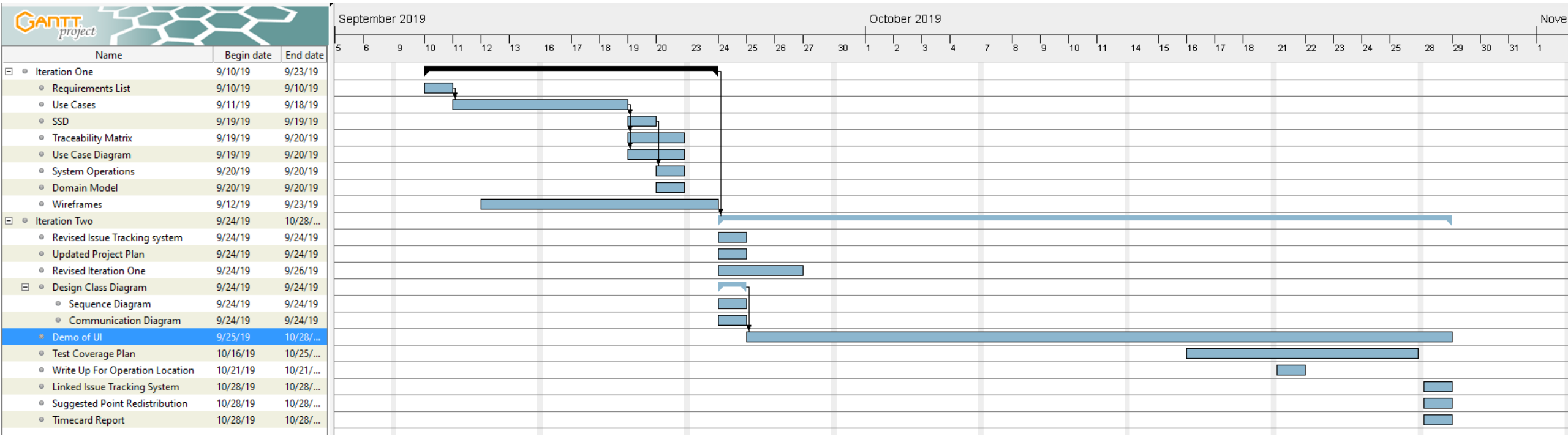
Console

No consoles to display at this time.

Done

Project Planning


GANTT project
Name
Begin date
End date
Iteration One 9/10/19 9/23/19
Requirements List 9/10/19 9/10/19
Use Cases 9/11/19 9/18/19
SSD 9/19/19 9/19/19
Traceability Matrix 9/19/19 9/20/19
Use Case Diagram 9/19/19 9/20/19
System Operations 9/20/19 9/20/19
Domain Model 9/20/19 9/20/19
Wireframes 9/12/19 9/23/19
Iteration Two 9/24/19 10/28/...
Revised Issue Tracking system 9/24/19 9/24/19
Updated Project Plan 9/24/19 9/24/19
Revised Iteration One 9/24/19 9/26/19
Design Class Diagram 9/24/19 9/24/19
Sequence Diagram 9/24/19 9/24/19
Communication Diagram 9/24/19 9/24/19
Demo of UI 9/25/19 10/28/...
Test Coverage Plan 10/16/19 10/25/...
Write Up For Operation Location 10/21/19 10/21/...
Linked Issue Tracking System 10/28/19 10/28/...
Suggested Point Redistribution 10/28/19 10/28/...
Timecard Report 10/28/19 10/28/...
September 2019
October 2019
Nove
5 6 9 10 11 12 13 16 17 18 19 20 23 24 25 26 27 30 1 2 3 4 7 8 9 10 11 14 15 16 17 18 21 22 23 24 25 28 29 30 31 1

Grasp Justification

Each page is an individual package containing all the functionality needed required to load that page. Using the MVC model we are able to atomize the datatypes, logic, and view of each page.

Each pages Controller contains instances of the view, model, and panel that that page will display, as well as a reference to the database where data can be fetched for displaying.

Each Model contains the datatypes required to build the page. If the model represents a Java Swing pane then it contains mostly the JComponents that will be displayed on that page.

Each View builds the model JComponents into the pane that is stored by the Controller.

The database is currently wrapped with an API that will mimic the database when it is fully implemented. However it is currently hard-coded.

Coverage Plan

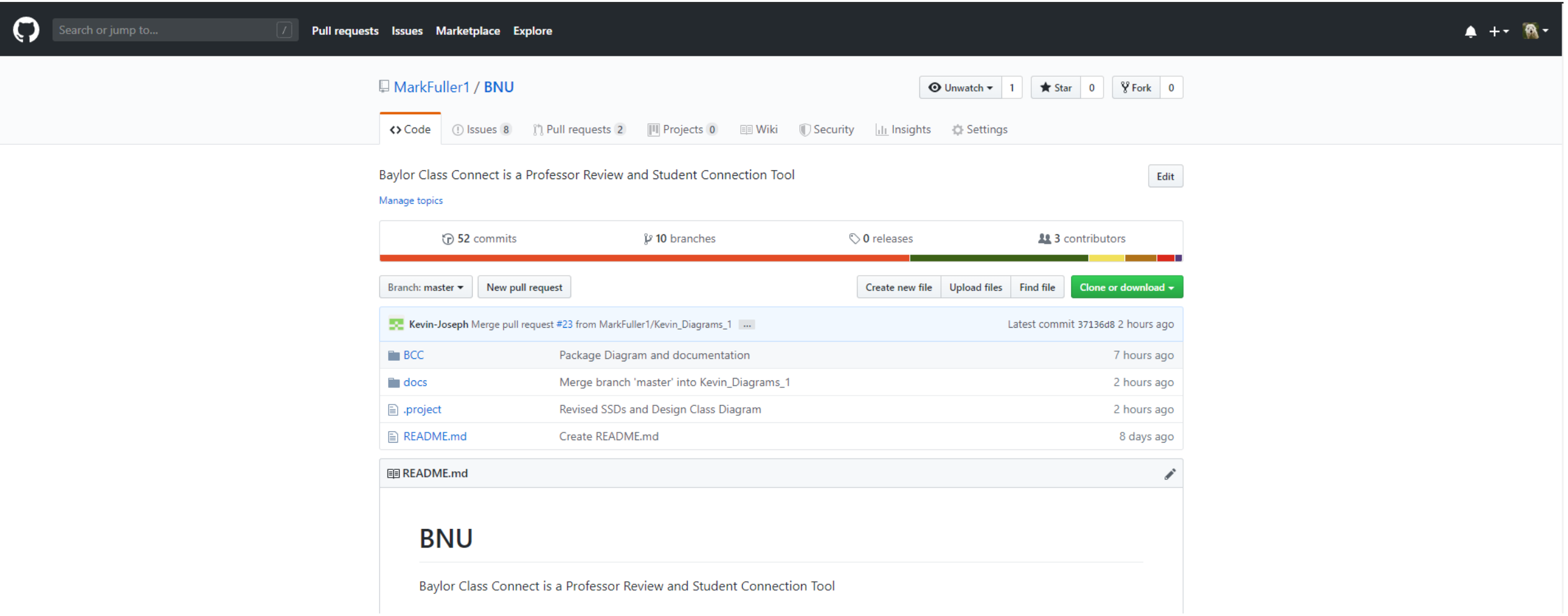
Each Controller and View will have test classes dedicated to them.

The Model currently has no implementation other than getters and setters, therefore does not need a testing suite.

The View of each page will be tested for loading errors by mocking the Controller for values.

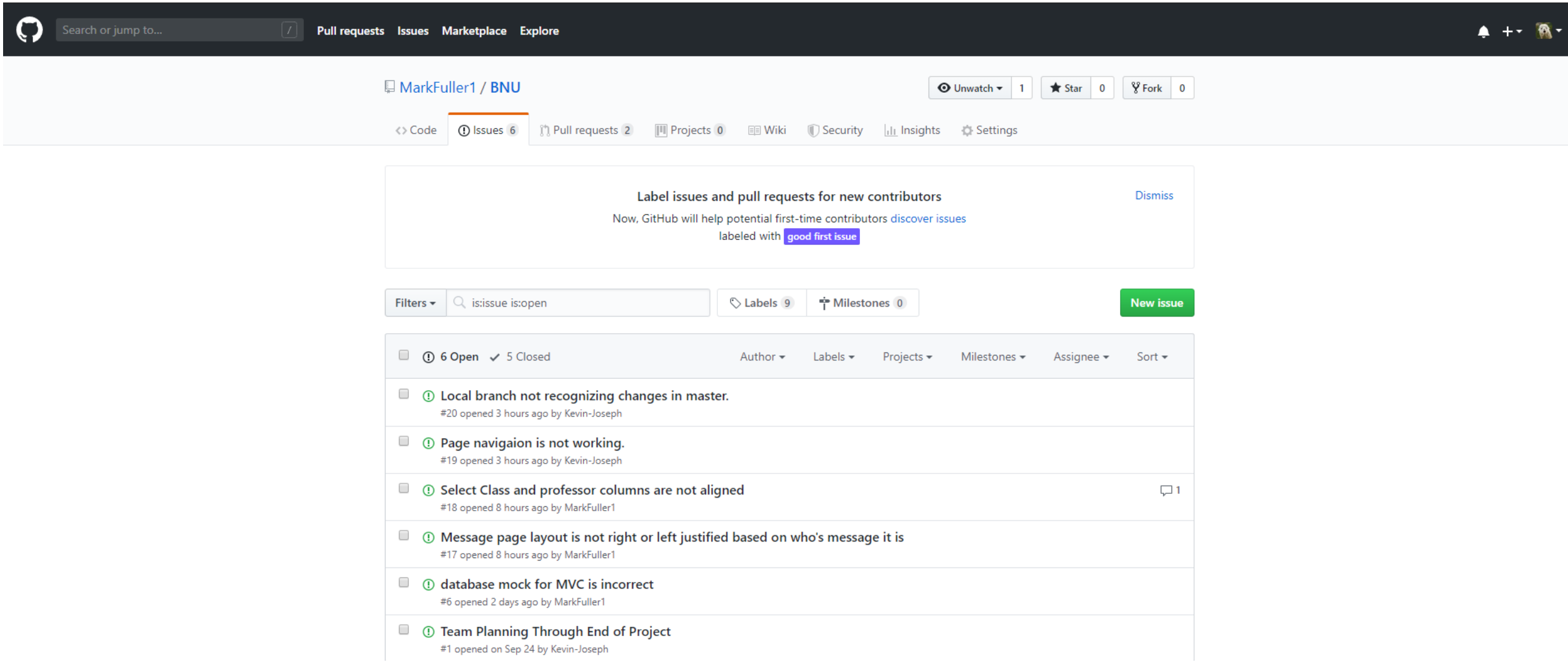
The Controller will be tested using a mocked view to check for valid GUI generation and exception handling, It will also have tests for the functionality it contains within itself for database query routing.

Git Repository

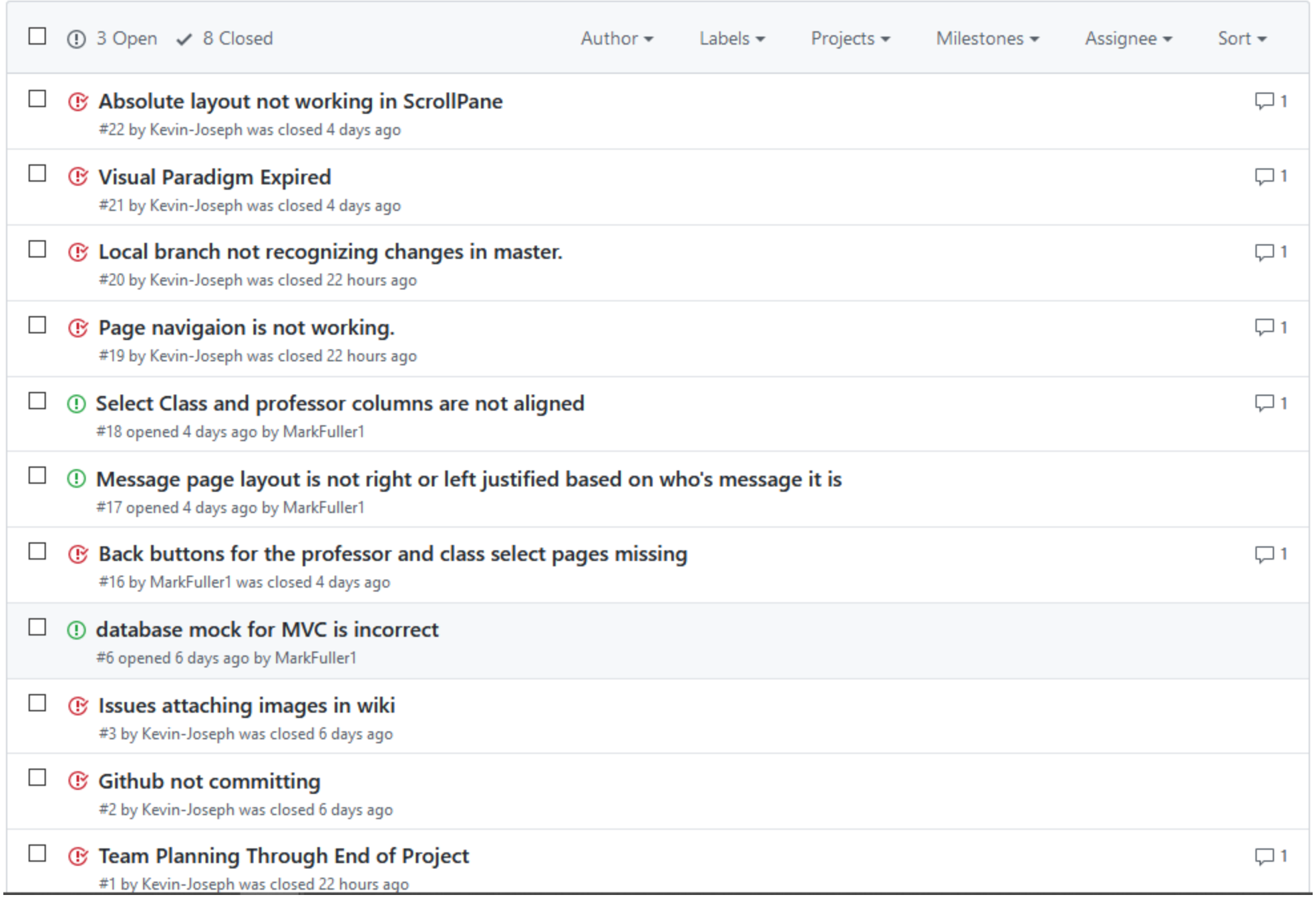


Repository Link: https://github.com/MarkFuller1/BNU/

Issue Tracking



Repository Link: https://github.com/MarkFuller1/BNU/issues



Repository Link: https://github.com/MarkFuller1/BNU/issues

Please See Revised Iteration 1 In Separate File

Revised Sequence Diagrams and Revised Use Case Diagram

Point Redistribution

Mark Fuller: 36.0%

Kevin Kulda: 36.0%

Connor Woodahl: 28.0%

Timecard

Mark Fuller: 30 hours

Kevin Kulda: 28 hours

Connor Woodahl: 25 hours