

CS 408

TEST PLAN

Team 4

Project Name: TutorMyClass

Team Members:

Matt Coker
Rajat Srivastava
Srishti Gupta
Travis Kent
Zachary Kent

Title & ID: Account 01 - Create account button

Severity: 1

Instructions: Click the "Create Account" button on login page

Outcome: Homepage is redirected to the create account page

Title & ID: Account 02 - Expected username and password

Severity: 1

Instructions: Type in username between 5 and 20 characters long in username field that isn't already in the database and a password between 8 and 16 characters long

Outcome: A new account is created in the database and the user is logged in

Title & ID: Account 03 - Short username

Severity: 2

Instructions: Type in username less than 4 characters and a password between 8 and 16 characters long

Outcome: Error message displays, stating to make the username between 5 and 20 characters long

Title & ID: Account 04 - Long username

Severity: 2

Instructions: Type in username of more than 20 characters and a password between 8 and 16 characters long

Outcome: Display error message, stating to make the username between 5 and 20 characters long

Title & ID: Account 05 - Same username

Severity: 1

Instructions: Type in username that already exists in the database and a password between 8 and 16 characters long

Outcome: Display error message, stating "Username already exists"

Title & ID: Account 06 - Short password

Severity: 2

Instructions: Type in password less than 8 characters and a username between 5 and 20 characters long that is not already in the database

Outcome: Error message displays, stating to make the password between 8 and 16 characters long

Title & ID: Account 07 - Long password

Severity: 2

Instructions: Type in password of more than 16 characters and a username between 5 and 20 characters long that is not already in the database

Outcome: Display error message, stating to make the password should be between 5 and 16 characters long

Title & ID: Login 01 - Account Login

Severity: 1

Instructions: From the login page, enter the correct username and password for the account that has already been created. After the credentials are entered, click the “Login” Button.

Outcome: The user is logged in and redirected to the main page.

Title & ID: Login 02 - Non-existent username

Severity: 1

Instructions: From the login page, type a username which does not exist in the database along with any password

Outcome: An error message displays saying “The username/password combination does not exist”

Title & ID: Login 03 - Incorrect password

Severity: 1

Instructions: From the login page, type in a username which exists in the database and a password that does not match that username’s password

Outcome: An error message displays saying “The username/password combination does not exist”

Title & ID: Main 01: Display courses

Severity: 1

Instructions: Open the main page

Outcome: Display all courses found in the database

Title & ID: Main 02: Search Courses

Severity: 3

Instructions: Type course reference number

Outcome: Courses matching the search input should show up, with all other courses, hidden from the list

Title & ID: Main 03: Search course with no input

Severity: 3

Instructions: Enter search empty string or zero result producing query into the search field, then click “search”

Outcome: Display ‘zero results’ below the search bar

Title & ID: Main 04: Display Tutors

Severity: 1

Instructions: Click on a specific course

Outcome: List of tutors found in the database for that course show up should show up on the side

Title & ID: Main 05: Display Tutor Information

Severity: 1

Instructions: Click on a specific tutor

Outcome: Information page for that specific tutor will show up on the side, which will take the majority of the space.

Title & ID: Main 06: Search for Tutor

Severity: 3

Instructions: Enter name of the Tutor into the search field and then click "Search"

Outcome: Tutor matching the search input would show up, with all other tutors' names hidden.

Title & ID: Main 07: Search for Tutor with no input

Severity: 3

Instructions: Enter empty search string or zero result producing query into the search field, then click "search"

Outcome: Display "no matches" below the search bar

Title & ID: Main 08: Error pop-up when tutor not in database

Severity: 2

Instructions: A user opens the main page and selects a course. A tutor for that course removes their listing, and the first user clicks on that tutor's name

Outcome: An error message states that that tutor has removed their listing

Title & ID: Main 09: Rating a tutor for the first time

Severity: 2

Instructions: Click on a rating button on a tutor's page

Outcome: Average rating for that tutor updates with the new rating

Title & ID: Main 10: Re-rating a tutor

Severity: 3

Instructions: Click on a rating button on a tutor's page, then click on a different rating button on that same tutor's page

Outcome: The user's second rating is not added to the total rating of the tutor as a new rating, but the user's first rating is updated to the new number, and the tutor's average rating updates accordingly.

Title & ID: Main 11: Redirect to Tutor Profile

Severity: 1

Instructions: Click on "Tutor Profile" button below the tutor's profile information

Outcome: User will be redirected to Tutor Profile Page

Title & ID: Main 12: Redirect to Student Profile

Severity: 1

Instructions: Click "Student Profile" Button

Outcome: User will be redirected to the Student Settings page

Title & ID: Main 13: Master course calendar

Severity: 2

Instructions: Click "Course calendar" button

Outcome: The master calendar for the course should pop up showing available times for all tutors for that particular course.

Title & ID: Tutor Profile 01: Input Non-existing class

Severity: 1

Instructions: Click on the "Input Class" bar and input the course number

Outcome: The course number will be added in the database and you can view in the list of classes

Title & ID: Tutor Profile 02: Input Existing class

Severity: 1

Instructions: Click on the "Input Class" bar and input the course number that already exists

Outcome: If the course number already exists in the database then it will pop up and will not be added to avoid duplicacy in the database.

Title & ID: Tutor Profile 03: Input available days

Severity: 1

Instructions: Click on drop down and select days

Outcome: From the drop down select the number of days depending on the availability

Title & ID: Tutor Profile 04: Input available time

Severity: 1

Instructions: Click on drop down for time which is beside input days drop down

Outcome: From the drop down select the time depending on the availability for tutoring which will be saved in the calendar along with the days

Title & ID: Tutor Profile 05: Input empty field in dropdown time

Severity: 1

Instructions: Click on drop down for time which is beside input days drop down **Outcome:** From the drop down select no time then there will be no changes in the calendar and a dialog box will pop up asking to enter time

Title & ID: Tutor Profile 06: Input Bio

Severity: 2

Instructions: Type Bio, including custom details

Outcome: The custom details get saved for displaying in the main page

Title & ID: Tutor Profile 07: Input the rate per hour

Severity: 1

Instructions: Enter the rate in the text input field and click “update”

Outcome: The rate per hour for the tutor will be saved in the database and will be updated in the main page

Title & ID: Tutor Profile 08: No Input for the rate per hour

Severity: 1

Instructions: Enter the empty field or zero string in the text input field then click “update”

Outcome: A dialog box will pop up displaying “There is nothing to update”

Title & ID: Tutor Profile 09: Remove tutoring availability

Severity: 1

Instructions: From the days available drop down remove the days

Outcome: Calendar will be updated simultaneously updating the database by removing the days on which the tutor is not available

Title & ID: Tutor Profile 10: Modify tutoring availability

Severity: 1

Instructions: From the days available dropdown modify days and from time dropdown modify time field

Outcome: Calendar will be modified depending on the changes made in days and time field

Title & ID: Tutor Profile 11: Redirect to main page

Severity: 2

Instructions: Click on ‘Main Page’ button

Outcome: User is redirected to the main page

Title & ID: Tutor Profile 12: Redirect to student profile

Severity: 2

Instructions: Click on ‘Student Profile button

Outcome: User is redirected to the student profile page

Title & ID: Student Profile 01: Input preferred times

Severity: 2

Instructions: Select preferred times using text box and dropbox

Outcome: Student’s preferences are saved to filter tutors on main page

Title & ID: Student Profile 02: Input preferred courses

Severity: 2

Instructions: Input courses in the text box

Outcome: The courses get saved for filtering courses in the main page

Title & ID: Stress Testing 01: Response Time

Severity: 2

Instructions: Add a lot of users (>1000) in database, and use the application

Outcome: The database handles them well, and application runs smoothly

Title & ID: Stress Testing 02: Scalability

Severity: 2

Instructions: Add a lot of users in database, and use the application

Outcome: A database should be able to handle a lot of users, and will not crash

Title & ID: Testing 01: Performance

Severity: 3

Instructions: Lot of users are logged in the application at the same time

Outcome: Ability to modify and update student and tutor profile remains constant