

CS 408

TEST PLAN

Team 4

Project Name: TutorMyClass

Team Members:

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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 account information

Severity: 1

Instructions: Type in valid email (<some string>@<some domain>.<com, org, etc.> in email field that isn't already in the database, a password between 8 and 16 characters long and a matching password confirmation, a first name between 1 and 20 characters long with no special characters, and a last name between 1 and 20 characters long with no special characters

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

Title & ID: Account 03 - Email already exists in database

Severity: 1

Instructions: Type in email address that already exists in the database and a password between 8 and 16 characters long, a matching password in the password confirmation box, a first name between 1 and 20 characters with no special characters, and a last name between 1 and 20 characters with no special characters

Outcome: Display error message, stating "Email address is already associated with an account"

Title & ID: Account 04 - Short password

Severity: 2

Instructions: Type in password less than 8 characters and a matching password in the password confirmation box, as well as a valid email address that is not already in the database, a first name between 1 and 20 characters with no special characters, and a last name between 1 and 20 characters with no special characters

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

Title & ID: Account 05 - Long password

Severity: 2

Instructions: Type in password of more than 16 characters and a matching password in the password confirmation box, as well as a valid email address that is not already in the database, a first name between 1 and 20 characters with no special characters, and a last name between 1 and 20 characters with no special characters

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

Title & ID: Account 06 - Password confirmation does not match

Severity: 2

Instructions: Type in password between 8 and 16 characters in the password text box, and a different password between 8 and 16 characters in the password confirmation text box, as well as a valid email address that is not already in the database, a first name between 1 and 20 characters with no special characters, and a last name between 1 and 20 characters with no special characters

Outcome: Display error message, stating that the passwords do not match

Title & ID: Account 07 - No first name

Severity: 2

Instructions: Type in password between 8 and 16 characters in the password text box, and a matching password, as well as a valid email address that is not already in the database,, and a last name between 1 and 20 characters containing no special characters

Outcome: Display error message, stating that the first name field is required

Title & ID: Account 08 - Long first name

Severity: 2

Instructions: Type in a first name that is 21 characters long, password between 8 and 16 characters in the password text box, and a matching password confirmation, as well as a valid email address that is not already in the database, and a last name between 1 and 20 characters that contains no special characters

Outcome: Display error message, stating that the first name must be 20 characters or less

Title & ID: Account 09 - First name has special characters

Severity: 2

Instructions: Type in a first name between 1 and 20 characters long that contains any special character excluding "" and '-', a password between 8 and 16 characters in the password text box, and a matching password confirmation, as well as a valid email address that is not already in the database, and a last name between 1 and 20 characters that contains no special characters

Outcome: Display error message, stating that the first name must not contain any special characters

Title & ID: Account 10 - No last name

Severity: 2

Instructions: Type in password between 8 and 16 characters in the password text box, and a matching password, as well as a valid email address that is not already in the database,, and a first name between 1 and 20 characters containing no special characters

Outcome: Display error message, stating that the last name field is required

Title & ID: Account 11 - Long last name

Severity: 2

Instructions: Type in a last name that is 21 characters long, password between 8 and 16 characters in the password text box, and a matching password confirmation, as well as a valid email address that is not already in the database, and a last name between 1 and 20 characters that contains no special characters

Outcome: Display error message, stating that the last name must be 20 characters or less

Title & ID: Account 12 - Last name has special characters

Severity: 2

Instructions: Type in a last name between 1 and 20 characters long that contains any special character excluding "" and '-', a password between 8 and 16 characters in the password text box, and a matching password confirmation, as well as a valid email address that is not already in the database, and a last name between 1 and 20 characters that contains no special characters

Outcome: Display error message, stating that the last name must not contain any special characters

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 an email address 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 an email address which exists in the database and a password that does not match that account's password

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

Title & ID: LogOut 01 - Account Logout

Severity: 1

Instructions: From the main page, click on Logout button

Outcome: The user is logged out and redirected to the login page

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: 2

Instructions: Type course reference number in sidebar at top left of main page

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: 2

Instructions: On main page, in sidebar at top left, search for a class, then delete the search query

Outcome: Display the whole list of courses below the search bar

Title & ID: Main 04: Search for course that doesn't exist

Severity: 2

Instructions: On main page, in sidebar at top left, search for a class that does not exist in the database

Outcome: Display a message stating that no tutors were found for that course

Title & ID: Main 05: Display Tutors

Severity: 1

Instructions: Click on a specific course in sidebar at left of main page

Outcome: List of tutors for that course replace list of courses in sidebar, and right side of main page shows master calendar for that course

Title & ID: Main 06: Display Tutor Information

Severity: 1

Instructions: Click on a specific tutor in sidebar of main page

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

Title & ID: Main 07: Search for Tutor

Severity: 3

Instructions: Select a class in the sidebar of the main page, then at top of the sidebar above list of tutors for that class, search for a tutor that exists for that class

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

Title & ID: Main 08: Search for Tutor with no input

Severity: 3

Instructions: Search for a tutor as in main 07, then delete the search query

Outcome: Display the list of all tutors for the selected class below the search bar

Title & ID: Main 09: Search for tutor that does not exist

Severity: 3

Instructions: Select a class in the sidebar of the main page, then at top of sidebar above list of tutors for that class, search for a tutor that does not exist for that class

Outcome: Display message stating that no results were returned

Title & ID: Main 10: 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 11: Rating a tutor for the first time

Severity: 2

Instructions: Navigate to a tutor's information page as a student and click on one of the star ratings on that page

Outcome: Average rating for that tutor updates with the new rating, and the student's rating is displayed to that student

Title & ID: Main 12: 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 13: Redirect to Tutor Profile

Severity: 1

Instructions: Click on "Tutor Profile" button at bottom right of main page

Outcome: User will be redirected to Tutor Profile Page

Title & ID: Main 14: Redirect to Student Profile

Severity: 1

Instructions: Click "Student Profile" Button at bottom right of main page

Outcome: User will be redirected to the Student profile page

Title & ID: Main 15: View Master Calendar

Severity: 1

Instructions: Click on a particular class

Outcome: Master calendar displaying the timings of all the tutors for that particular course will be shown on the main page

Title & ID: Main 16: View timeslots for group/individual

Severity: 1

Instructions: Select a particular tutor for a particular class

Outcome: Calendar displaying the tutor's schedule along with the timeslots for group/individuals by different colors.

Title & ID: Main 17: Send Reservation

Severity: 1

Instructions: Click on a particular timeslot from the calendar displayed on the main page

Outcome: Mail will be sent to the tutor

Title & ID: Tutor Profile 01: Tutor an existing class

Severity: 1

Instructions: Click on the “Add class” button at bottom of tutor profile page and select a class from the list of classes

Outcome: The tutor will be added to the list of tutors for that course

Title & ID: Tutor Profile 02: Create new class

Severity: 1

Instructions: Click on the “Add class” button at bottom of tutor profile page, then click the “Create a class” button that appears. Then, type in a valid course department and number (minimum 2 characters and 3 numbers) that does not yet exist in the database

Outcome: Add the new class to the database and add the tutor to the list of tutors for that class

Title & ID: Tutor Profile 02: Create existing class

Severity: 2

Instructions: Click on the “Add class” button at bottom of tutor profile page, then click the “Create a class” button that appears. Then, type in a valid course department and number (minimum 2 characters and 3 numbers) that already exists in the database

Outcome: A message appears stating that the class already exists

Title & ID: Tutor Profile 03: Create existing class

Severity: 2

Instructions: Click on the “Add class” button at bottom of tutor profile page, then click the “Create a class” button that appears. Then, type in an invalid course department and number (minimum 2 characters and 3 numbers)

Outcome: A message appears stating that the course number is invalid

Title & ID: Tutor Profile 04: Modify class schedule

Severity: 1

Instructions: Select a class that the tutor already has listed, drag and drop free times on the calendar that appears, click save button

Outcome: The calendar of the tutor will be updated in the database

Title & ID: Tutor Profile 05: Input Bio

Severity: 2

Instructions: Type a bio in the edit bio text box that is between 1 and 1000 characters long

Outcome: The bio is saved to the tutor’s profile

Title & ID: Tutor Profile 06: Input Bio

Severity: 2

Instructions: Type a bio in the edit bio text box that is between 1001 characters long

Outcome: An error message states that the bio must be 1000 characters or less

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

Severity: 1

Instructions: Click on a class that the tutor already has listed, then in the price rate box that appears, enter the rate in the text input field

Outcome: The rate per hour for the tutor for that class 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: 2

Instructions: Click on a class that the tutor already has listed, then in the price rate box that appears, delete the rate

Outcome: A message will appear stating that a rate must be given but \$0 is allowed

Title & ID: Tutor Profile 09: Remove tutoring availability

Severity: 1

Instructions: Select a class that a tutor already has listed, then click the remove listing button that appears

Outcome: The tutor's listing will be removed from the database

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: Tutor Profile 13: Input contact information like email

Severity: 1

Instructions: Type email address

Outcome: Tutor's email address under contact information session will be updated

Title & ID: Tutor Profile 14: Input optional phone number

Severity: 1

Instructions: Type optional phone numbers of 10 characters long

Outcome: Tutor's optional phone number under contact information session will be updated

Title & ID: Tutor Profile 15: Input short optional phone number

Severity: 2

Instructions: Type optional phone number which is less than 10 characters

Outcome: A dialog box will pop up displaying “wrong phone number”

Title & ID: Tutor Profile 16: Input long optional phone number

Severity: 2

Instructions: Type optional phone number which is more than 10 characters

Outcome: A dialog box will pop up displaying “wrong phone number”

Title & ID: Tutor Profile 17: Input multiple existing classes

Severity: 2

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, thus adding to the list of classes already added by the tutor.

Title & ID: Tutor Profile 18: Input multiple non-existing classes

Severity: 2

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 added

Title & ID: Tutor Profile 19: Update calendar separately for different classes

Severity: 2

Instructions: Click on the class added and drag and drag on the calendar to update time for that particular class.

Outcome: Calendar will be updated simultaneously for different classes

Title & ID: Tutor Profile 20: Approve a student’s reservation

Severity: 1

Instructions: Click on the approve button for a reservation request in the list of requests on the tutor profile page

Outcome: An email is sent to the student letting them know the request was accepted, and the time reserved is removed from the tutor’s schedule

Title & ID: Tutor Profile 21: Deny a student’s reservation

Severity: 1

Instructions: Click on the deny button for a reservation request in the list of requests on the tutor profile page

Outcome: An email is sent to the student letting them know the request was denied

Title & ID: Tutor Profile 22: Choose group session

Severity: 2

Instructions: Check on the group session checkbox for a particular time slot

Outcome: The calendar will be modified for the group sessions by changing the colour of that particular slot

Title & ID: Tutor Profile 23: Choose individual session

Severity: 2

Instructions: Check on the individual session for a particular time slot

Outcome: The calendar will be modified for the individual session by changing the colour of that particular time slot

Title & ID: Tutor Profile 24: prices and ratings

Severity: 2

Instructions: Select a course the tutor already has a listing for

Outcome: minimum, average and maximum prices should display next to the course name, as well as the tutor's personal average rating and the average rating for all tutors for that class

Title & ID: Student Profile 01: Input preferred times

Severity: 2

Instructions: Drag and drop the times in the calendar view

Outcome: Student's preferences are saved and they can view their saved times in the calendar and when a tutor's profile is viewed then the

Title & ID: Student Profile 02: Input preferred courses

Severity: 2

Instructions: Input courses in the text box

Outcome: The preferred courses get saved

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 handle to a lot of users, and will not crash

Title & ID: Testing 01: Performance

Severity: 2

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