CS 408
Defect Log

Team 4

Project Name: TutorMyClass

Team Members:
Matt Coker
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Srishti Gupta
Travis Kent
Zachary Kent

1. Design Inspection Defects (20 points)
  ● The design inspection defects should reveal the defects which occur while combining the modules or during the interaction between the modules

Product	TutorMe Design Inspection		
Date	9/18		
Author	TutorMe Team		
Moderator	Matt Coker		
Inspectors	Rajat Srivastava, Srishti Gupta, Travis Kent		
Recorder	Zachary Kent		
Defect #	Description	Severity	How Corrected
1	The login page cannot verify a user in the database when they try to log-in.	2	Send a verification mail to the user when account is created
2	The login page cannot create a new user in the database when a user attempts to register.	1	Increase the space in database in order to add more users
3	Does not check whether all fields are entered in the signup page	2	Made input to necessary fields compulsory
4	The sidebar is not able to correctly load the list of available classes from the database.	1	Update query to verify the statements are correct, and that the classes have been properly stored in the database.
5	The sidebar is not able to correctly load the list of available tutors from the database.	1	Update query to verify the statements are correct, and that the tutors have been properly stored in the database.
6	Tutor Schedules cannot be correctly loaded from or updated in the database.	1	Verify that the query is joining tables on the correct table columns, and that the schedules have been properly stored in the database.

7	Tutor Ratings cannot be correctly loaded from or updated in the database.	1	Verify tutor ratings are being stored correctly in the database when user inputs it through the sql query.
8	Tutor Price cannot be correctly loaded from or updated in the database.	1	Verify tutor prices are being stored correctly in the database when user inputs it through the sql query
9	When a user decides to become a tutor, they are not added to the tutorSearch sidebar	2	When a user registers as a tutor, the database will mark the userID as a tutor, and verify it's being entered correctly when storing into the database.
10	When a tutor adds a new class to their profile, the tutorSearch sidebar is not updated.	2	Make sure the information is being pushed through to the backend, and that the query storing it is correct.
11	When loading the page, selecting a class, then hitting 'back' at the top of the list, the buttons in the bottom right shift to the left		Position the button group so that it's anchored to the corner, rather than floating.
12	The Signup page is visually different from the tutor search page.	3	Convert page to bootstrap, and manage colors to match the rest of the site.
13	When tutor info is loaded after selecting a tutor from a class, most of the information is static and the same.	2	Call backend methods to get information for each individual tutor and their related class.

2. Code Inspection Defects (40 points)

- For code inspection, we expect the defects arising from inefficient or wrong coding techniques which could result in exceptions etc.

Product	TutorMe Code Inspection		
Date	9/18		
Author	TutorMe Team		
Moderator	Rajat Srivastava		
Inspectors	Matt Coker, Srishti Gupta, Zachary Kent		
Recorder	Travis Kent		
Defect #	Description	Severity	How Corrected
1	Queries are sent to the database by the frontend and must be repeated for every user.	3	We will create all of the necessary queries to properly load the page in the backend file.
2	Every new client makes an individual connection to the database.		Handle all database connections from the backend.
3	Global variables in the code were incorrectly updated	2	Corrected those locations
4	The space allocated for calendar display is never freed	2	Space allocated for Calendar display is freed
5	Buffer overflow arises during the listing of variables	1	Increased the maximum length of variable

3. Unit Testing Defects (40 points)

- For unit testing, we expect you to clearly define modules of your product, to identify the input and output of each module, and to list down the defects found during the unit testing of each module.

Product	Login Module Inspection		
Date	9/18		
Author	TutorMe Team		
Moderator	Srishti Gupta		
Inspectors	Rajat Srivastava, Zachary Kent, Travis Kent		
Recorder	Matt Coker		
Defect #	Description	Severity	How Corrected
1	The login page will not correctly redirect a successfully logged in user to the main page.	2	Changed the location field for correct redirection
2	The login page will not correctly redirect user to an account creation page when they select 'sign up'	2	Corrected the location field inside signup.html to correctly redirect the user to the main page after sign up
3	If a username and password is incorrect, the user is never notified.	3	Place check condition before username and password fields, if entered correctly to prompt an error
4	The main page is accessible without going through the login page.	2	Added a title field in order to verify that user does not go directly to the main page without going through the login page
5	Creates multiple users with same email address	1	Added conditionality to check if user is already present

Product	TutorSearch Module Inspection		
Date	9/18		
Author	TutorMe Team		
Moderator	Srishti Gupta		
Inspectors	Rajat Srivastava, Zachary Kent, Travis Kent		
Recorder	Matt Coker		
Defect #	Description	Severity	How Corrected
1	If the screen isn't wide enough, the sidebar will cover the main text.	1	Make sure the main text area is positioned absolutely, to prevent it from anchoring to the side of the screen.
2	The 'become a tutor' button is too far to the right, covering the scroll bar.	1	Change the margin on the buttons to make room for the scroll bar.
3	The 'become a tutor' button does not change if the user is already a tutor.	2	Make a database call to determine if the user is a tutor, and update the text accordingly.
4	The user is directed to Select 'View Classes' to begin, but there is no view classes button.	2	Verify classes are being stored into the database, create a backend method to call for those classes, and load those classes into the front end.

Product	Tutor-Profile Module Inspection		
Date	9/18		
Author	TutorMe Team		
Moderator	Srishti Gupta		
Inspectors	Rajat Srivastava, Zachary Kent, Travis Kent		
Recorder	Matt Coker		
Defect #	Description	Severity	How Corrected
1	There is a student profile link that does not resolve.	2	Correct the location of the link in order to make it direct to the proper direction.
2	Unable to update the calendar with group/individual session.	1	Make a call to the database and update the calendar according to the request made
3	Unable to set the timings for different classes in calendar for each class	1	Place a check condition for each calendar in the database and update calendar for each class accordingly.

Product	Backend Module Inspection		
Date	9/18		
Author	TutorMe Team		
Moderator	Srishti Gupta		
Inspectors	Rajat Srivastava, Zachary Kent, Travis Kent		
Recorder	Matt Coker		
Defect #	Description	Severity	How Corrected
1	PHP is not a viable way to connect the website to the database	1	Using C# MySQL library to connect to database from backend
2	The C# backend is unable to connect to the database.	3	Configure Visual Studio to allow C# connections to MySql DB's
3	Database is not configured to allow triggers	2	Updating a tutor's average rating will be done on the backend when a new rating is added