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Math AF: Beta Test

Tasks/Available Functions:

Java Servlet Sessions

- Redirect when not in a session

Adding new Quiz Questions

- Uploads Images and Text

Viewing Past Questions

- Displays Question and Images

Running the Quiz function

- Inputting Right/Wrong Answer

Pre-test Questions:

- 1) How familiar are you with uploading images on the internet
- 2) Are you familiar with accessing pre-uploaded images and files.

Test Questions:

- 1) Login using a specified account
- 2) Create a quiz, and then access it through the question bank.
- 3) Solve the current quiz
- 4) Test around with the servlet session

Post-Test Questions:

- 1) Was there anything that seemed to be incomplete?
- 2) Are there any problematic security issues?
- 3) Were there any obvious bugs in the program?
- 4) Was the upload Quiz function simple?
- 5) Did you have any problems with retrieving different quizzes and accessing them?

Notes during test:

Tester	Test Process	Notes
Ms. Coderre (Project Supervisor)	Pre-test Questions	<ul style="list-style-type: none"> • Very familiar with image upload functionalities • Very familiar with accessing pre-uploaded images and files
	Testing: Creating a quiz, Accessing the Quiz, Solving the Quiz, Testing the servlet sessions	<ul style="list-style-type: none"> • The button that redirects to the actual quiz appeared to be a header instead of a link • When creating images the preview needed to be capped at a specific size • Should be able to click on each quiz Id's to access a specific quiz • Buttons in the Quiz do not resize appropriately with text/Text does not properly resize with the buttons • Spacing between buttons unappealing • Header needs consistency between main page and the quiz • Needs the same page layout for the answer page as the main pages • General formatting requires improvement
	Post Testing Questions	<ul style="list-style-type: none"> • The obvious running of the Quiz was fairly incomplete and certain functionalities can be made to be more efficient such as the Quiz display function • At the moment, there is no difference between student and teacher accounts and therefore student can access teacher only files • There is a bug with the image upload function as only one image is uploaded out of 5 • There were no big issues concerning difficulty and complexity of the functions since they were all straight forward and simple
Ms.	Pre-test Questions	<ul style="list-style-type: none"> • No experience with uploading photos,

Damjanshitz (Client)		but has limited knowledge of browsing and accessing pre-uploaded photos
	Testing: Creating a quiz, Accessing the Quiz, Solving the Quiz, Testing the servlet sessions	<ul style="list-style-type: none"> • Had a fairly difficult time navigating through quizzes and the questions tab • Was confused as to which tab led to creating a new quiz, but was able to create a new quiz and access the created quiz with almost no difficulty • There was a bit of difficulty accessing the current quiz since the button was unclear • Overall had difficulty navigating at first, but then got used to navigation and was comfortable using the program • Bug with the image upload function as it only uploads one image
	Post Testing Questions	<ul style="list-style-type: none"> • Incomplete functions in the testing were addressed • Not much knowledge of security and not much input was given • Bugs were the same as the ones addressed in the testing • Overall, after a bit of explaining after the test, the functions were simple to understand and to remember

Code Demonstrated to Show:

DatabaseAccess.java
 Login.Java
 Logout.Java
 UploadQuiz.Java
 AddQuizProto.jsp
 MultipleChoiceQuestion.jsp

Severity Rating:

Most of our program had an overall severity rating of 2, which meant it worked as planned, however there was a minor usability issue and a few cosmetic changes that could have been done.

Severity Rating 1:

Quiz button that takes you to the daily quiz is unclear.

User name and sign out button should be moved to the right

Severity Rating 2:

After uploading a image, it is impossible to cancel the uploaded image unless the page is refreshed and everything is reset.

Severity Rating 4:

When you upload different photos or no photos at all, the program will default all the photos to the one from the question.

Debrief:

On tuesday, time should be set aside to fix the photo problem. The other problems are very minor and should not take very long to fix as they are mostly cosmetic issues. Fixing the photos should take around one to two days, which will set our schedule back slightly. We did plan a few days for testing and fixing bugs we are currently on schedule, however any other bugs that take more than 2 days to fix will put us behind schedule.

The next step is to start coding the functionality of linking questions together to make quizzes, and to have a function that allows you to set questions as the current quiz. Right now, we are still debating on whether we have enough time to code the practice part of the application where it allows us. However i think that since

	19-May	20-May	21-May	22-May	23-May	24-May		
Team Assignment								
Learning HTML							Finished	
Coding website UI								
Testing Assignment								
Learning databases								
Coding Database								
Fixing issues								
Linking question bank to Quiz								
Feature: Practice								
Team Assignment								
Final Testing/debugging								
Implementation and integration								
Prototype 1 finished								

Hi Ms.Coderre!