



SE 318 – SOFTWARE VERIFICATION AND VALIDATION

**QUIZPO**

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**UNIT TEST DOCUMENT**

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Version <1.0>

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## VERSION HISTORY

Version #	Implemented By	Revision Date	Approved By	Approval Date	Reason
1.0	<Oğuzhan Sarıtaş> <Buğra Oğuzer>	<04/10/17>	<Oğuzhan Sarıtaş> <Buğra Oğuzer>	<04/20/17>	Introduction and Correction of errors
2.0	<Oğuzhan Sarıtaş>	<04/28/17>	<Oğuzhan Sarıtaş> <Buğra Oğuzer>	<05/03/17>	Correction of errors

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## 1 INTRODUCTION

### 1.1 PURPOSE OF THE TEST CASE DOCUMENT

Software testing is an important step in producing software in today's conditions. As projects become more complex, their control and testing becomes more difficult. For the same reason, the "QuizPo" project focused on the testing steps. Together with these tests, the errors of the project were reduced.

At the same time, a document must be created for the tests. The main reason for this is to make it easy for other people interested in test cases to be informed. Another reason is that this document makes it easier to follow the tests.

### 1.2 CONSTRAINTS

*ASP.NET, ASP.NET MVC, LinqToSQL, MSSQL, HTML, CSS, Javascript, selenium and nunit were used during the project.*

## 2 UNIT TEST FRAMEWORK: <NUNIT>

*NUnit is an evolving, open source framework designed for writing and running tests in Microsoft .NET programming languages. NUnit and JUnit are quite similar. These frameworks are used to find defects or incompatible requirements within the code.*

### 3-TEST CASES

Test Case 1	
Test Definition	
The user will login to the system with the username and password.	
Expected Value	
User should be able to login .	
Actual Value	
User successfully logged in.	
Result of Test Case	<i>Successful</i>

Test Case 2	
Test Definition	
The user enter "my account" page from the main menu.	
Expected Value	
"My account" page request will be approved and displayed.	
Actual Value	
"My account" page approved and displayed.	
Result of Test Case	<i>Successful</i>

Test Case 3	
Test Definition	
Changing the user's mail on the "My Account" page.	
Expected Value	
The system that changed the mail gave the notification that the user was changed.	
Actual Value	
Mail address could not be changed.	
Result of Test Case	<i>Successful</i>

Test Case 4	
Test Definition	
The new user will be sign-up into the system.	
Expected Value	
The user must fill in the required fields and be registered as a user on the system.	
Actual Value	
The registration page did not open.	
Result of Test Case	<i>Fail</i>

Test Case 5	
Test Definition	
Changing the user's mail on the "Quiz Management" page	
Expected Value	
"Quiz Management" page request will be approved and displayed.	
Actual Value	
"Quiz Management" page approved and displayed.	
Result of Test Case	<i>Successful</i>

Test Case 6	
Test Definition	
User will create new quiz from "Quiz management" page.	
Expected Value	
Creation of quiz by filling in required fields.	
Actual Value	
The fields were filled and the exam was created.	
Result of Test Case	<i>Successful</i>

Test Case 7	
Test Definition	
Detailed control of quiz results from main page.	
Expected Value	
Click the "Quiz Results" button to display the quiz results in detail.	
Actual Value	
The system is not responding when the button is clicked.	
Result of Test Case	<i>Fail</i>

Test Case 8	
Test Definition	
The user will exit the system with the log-off button.	
Expected Value	
Exiting the system with log-off button and returning to the login screen.	
Actual Value	
The system was exited and returned to the main menu.	
Result of Test Case	<i>Fail</i>

Test Case 9	
Test Definition	
Questions will be added to the quiz created by the user.	
Expected Value	
Adding as many questions as desired to the quiz created.	
Actual Value	
Questions were created.	
Result of Test Case	<i>Successful</i>

Test Case 10	
Test Definition	
Display of documentation on the use of the system.	
Expected Value	
Viewing the documentation with the "get-help" button located on the "Quiz Management" page.	
Actual Value	
Documentation could not be displayed.	
Result of Test Case	<i>Fail</i>

Test Case 11	
Test Definition	
Changing the user's mail on the "Exams" page.	
Expected Value	
"Exams" page request will be approved and displayed.	
Actual Value	
"Exams" page approved and displayed.	
Result of Test Case	<i>&lt;successful OR fail&gt;</i>

Test Case 12	
Test Definition	
The user enters a test that someone else has prepared.	
Expected Value	
The user enters the test after making the necessary selections from the exam page.	
Actual Value	
The test prepared by someone else,used by other users.	
Result of Test Case	<i>Successful</i>



Test Case 13	
Test Definition	
Delete saved question when preparing a quiz.	
Expected Value	
Deleting questions when preparing a quiz.	
Actual Value	
Question removed.	
Result of Test Case	<Successful>

Test Case 14	
Test Definition	
Login information is incorrectly given back "false information" information.	
Expected Value	
"Wrong information please try again" information.	
Actual Value	
"E-mail or Password entered incorrectly! Please try again..." information	
Result of Test Case	<Successful>

Test Case 15	
Test Definition	
Checking "username" or "email" while logged in.	
Expected Value	
You entered the wrong data, enter the correct data.	
Actual Value	
Wrong data entry.	
Result of Test Case	<Successful>

Test Case 16	
Test Definition	
The same email will not be able to be re-entered while registering.	
Expected Value	
This e-mail has already been registered. Try another email.	
Actual Value	
This e-mail has already been registered.	
Result of Test Case	<Successful>

Test Case 17	
Test Definition	
Active / inactive when creating quiz.	
Expected Value	
It is active / passive.	
Actual Value	
Active / passive.	
Result of Test Case	<Fail>

Test Case 18	
Test Definition	
Displaying information on the result screen after quiz questions are solved.	
Expected Value	
Quiz Results and Points.	
Actual Value	
Quiz Results.	
Result of Test Case	< Successful >

Test Case 19	
Test Definition	
Operation of the Dashboard screen.	
Expected Value	
Promotion data is shown and updated.	
Actual Value	
Presentation data is shown.	
Result of Test Case	< Successful >

Test Case 20	
Test Definition	
Completion of adding questions when the created quiz question is added.	
Expected Value	
The quiz process is finished showing information.	
Actual Value	
The quiz process is finished.	
Result of Test Case	< Successful >

#### 4 CONCLUSION

As a result of running tests. The project started to basically working. The test results were recorded for the next version to be corrected and development.