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## **Explore Egypt**

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## **Software Test Plan (STP)**

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## Revision History

Sl. No.	Prepared/ Modified by	E-mail	Version	Date	Approved by	Descriptions/ Remarks
1.	Shrouk Ismail		1.0	04-09-2018		Test case 1
2.	Chahira Hamza	Chahira.hamza@live.com	1.1	04-10-2018		Test cases (2-8)
3.	Farah Arm		1.2			Overview Non-functional testing tools References
4.	Chahira Hamza		1.3			Non-functional testing Interface testing Environment testing
5.	Nooran Helmy		1.4			Document revision

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# Software Requirements Specification

## 1. Overview

The objective of testing the website application is to pinpoint the use cases that may make the system unstable or cause functions to work improperly. The scope is to test the connections between the database and the views and the capability of the website to withstand odd use cases.

## 2. Test Methodology

### 2.1 Testing Environment

The testing will be made manually without any testing tools.

The system is tested on browsers: Chrome and Firefox, and on Servers: GlassFish 4.1.0, GlassFish 4.1.1, Apache TomCat 8.0.27.

### 2.2 Functional Testing

<i>TC_ID</i>	<i>1</i>	<i>Test Case Name</i>	<i>Add Sites</i>
<b>Purpose:</b>	Testing the functionality of adding new site.		
<b>Prerequisite:</b>	User must be logged in with an admin username and password.		
<b>Priority:</b>	Low Priority.		
<b>Steps:</b>	<ol style="list-style-type: none"> <li>1. Press Add without one of the fields.</li> <li>2. Try writing characters in the Start or Close field.</li> </ol>		
<b>Expected Results:</b>	There should be an error message when one of the fields (except Photo field can be empty) or of not matching criteria. After filling out all fields and submitting the request to the server, the database will be updated.		
<b>Actual Results:</b>	Error messages appeared when submitting without filling all the fields requires.		
<b>State:</b>	Fail.		
<b>Issue #:</b>	1		
<b>Execution Date:</b>	10/4/2018		
<b>Build Version:</b>	GitHub Branch: Master Tree: f3b4a80514		
<b>Notes and Questions:</b>	Note: There should be an error message when adding one of the fields of not matching criteria, but when I put character in Start field it failed with 500 errors.		
<b>Tester Name:</b>	Shrouk Ismail		

<b><i>TC_ID</i></b>	<b><i>2</i></b>	<b><i>Test Case Name</i></b>	<b><i>Missing Inputs for Account</i></b>
<b>Purpose:</b>	Testing the creation of a new account.		
<b>Prerequisite:</b>	<ul style="list-style-type: none"><li>• Database is connected</li><li>• Web Server is running</li></ul>		
<b>Priority:</b>	Low Priority.		
<b>Steps:</b>	<ol style="list-style-type: none"><li>1. Write user name</li><li>2. Leave password and password retype empty</li><li>3. Submit</li></ol>		
<b>Expected Results:</b>	An error message that signals that the creation is unsuccessful.		
<b>Actual Results:</b>	A flag appeared near the missing input stating "Please fill out this field"		
<b>State:</b>	Pass		
<b>Issue #:</b>	N/A		
<b>Execution Date:</b>	9/4/2018		
<b>Build Version:</b>	GitHub Branch: Master Tree: f3b4a80514		
<b>Notes and Questions:</b>	N/A		
<b>Tester Name:</b>	Chahira		

<b><i>TC_ID</i></b>	<b><i>3</i></b>	<b><i>Test Case Name</i></b>	<b><i>Numeric User Names</i></b>
Purpose:	Testing if a username can be a set of numbers.		
Prerequisite:	<ul style="list-style-type: none"><li>• Database is connected</li><li>• Web Server is running</li></ul>		
Priority:	Low Priority		
Steps:	<ol style="list-style-type: none"><li>1. Check the database for the usernames</li><li>2. Write in the username an existing one from the database</li><li>3. Write any password</li><li>4. Submit</li></ol>		
Expected Results:	An error message that signals that the creation is unsuccessful, that the username must start at least with a character.		
Actual Results:	Error message that states that the username is taken or incorrect password, but takes time to show up.		
State	Fail		
Issue #:	2		
Execution Date:	9/4/2018		
Build Version:	Github Branch: Master Tree: f3b4a80514		
Notes and Questions:	The error message is ambiguous; it did not specify the problem which was that the username started with numbers.		
Tester Name:	Chahira		



<b><i>TC_ID</i></b>	<b><i>4</i></b>	<b><i>Test Case Name</i></b>	<b><i>Repeating User Names</i></b>
Purpose:	Testing the uniqueness of username.		
Prerequisite:	<ul style="list-style-type: none"><li>• Database is connected</li><li>• Web Server is running</li></ul>		
Priority:	High Priority		
Steps:	<ol style="list-style-type: none"><li>1. Check the database for the usernames</li><li>2. Write in the username an existing one from the database</li><li>3. Write any password</li><li>4. Submit</li></ol>		
Expected Results:	An error message that signals that the creation is unsuccessful, that the username is taken		
Actual Results:	An error message appeared “Username Taken or incorrect password”		
State	Pass		
Issue #:	N/A		
Execution Date:	9/4/2018		
Build Version:	Github Branch: Master Tree: f3b4a80514		
Notes and Questions:	N/A		
Tester Name:	Chahira		

<i><b>TC_ID</b></i>	<i><b>5</b></i>	<i><b>Test Case Name</b></i>	<i><b>Normal Account Input</b></i>
<b>Purpose:</b>	Testing normal username made from letters, with 2 entered password matching.		
<b>Prerequisite:</b>	<ul style="list-style-type: none"><li>• Database is connected</li><li>• Web Server is running</li></ul>		
<b>Priority:</b>	Low Priority.		
<b>Steps:</b>	<ol style="list-style-type: none"><li>1. Enter a username not in the database</li><li>2. Enter the password twice correctly</li></ol>		
<b>Expected Results:</b>	A message that the operation was successful.		
<b>Actual Results:</b>	A redirection to a guest page with “Welcome <username> “.		
<b>State:</b>	Pass		
<b>Issue #:</b>	N/A		
<b>Execution Date:</b>	9/4/2018		
<b>Build Version:</b>	GitHub Branch: Master Tree: f3b4a80514		
<b>Notes and Questions:</b>	N/A		
<b>Tester Name:</b>	Chahira		

<b><i>TC_ID</i></b>	<b><i>6</i></b>	<b><i>Test Case Name</i></b>	<b><i>Login Incorrect Password</i></b>
<b>Purpose:</b>	Testing log in with incorrect password for a username that exists		
<b>Prerequisite:</b>	<ul style="list-style-type: none"><li>• Database is connected</li><li>• Web Server is running</li></ul>		
<b>Priority:</b>	High Priority.		
<b>Steps:</b>	<ol style="list-style-type: none"><li>1. Enter a username in the database</li><li>2. Enter the password incorrectly</li></ol>		
<b>Expected Results:</b>	A message that the operation was unsuccessful.		
<b>Actual Results:</b>	HTTP status 404 not found		
<b>State:</b>	Deferred		
<b>Issue #:</b>	3		
<b>Execution Date:</b>	9/4/2018		
<b>Build Version:</b>	GitHub Branch: Master Tree: f3b4a80514		
<b>Notes and Questions:</b>	Forgot to change the redirection in case of the error handling.		
<b>Tester Name:</b>	Chahira		

<b><i>TC_ID</i></b>	<b><i>7</i></b>	<b><i>Test Case Name</i></b>	<b><i>Login Correct Password</i></b>
<b>Purpose:</b>	Testing log in with correct password for a username that exists		
<b>Prerequisite:</b>	<ul style="list-style-type: none"><li>• Database is connected</li><li>• Web Server is running</li></ul>		
<b>Priority:</b>	Low Priority.		
<b>Steps:</b>	<ol style="list-style-type: none"><li>1. Enter a username in the database</li><li>2. Enter the password correctly</li></ol>		
<b>Expected Results:</b>	A message that the operation was successful.		
<b>Actual Results:</b>	A redirection to a guest page with “Welcome <username>”		
<b>State:</b>	Pass		
<b>Issue #:</b>	N/A		
<b>Execution Date:</b>	9/4/2018		
<b>Build Version:</b>	GitHub Branch: Master Tree: f3b4a80514		
<b>Notes and Questions:</b>	N/A		
<b>Tester Name:</b>	Chahira		

<b><i>TC_ID</i></b>	<b><i>8</i></b>	<b><i>Test Case Name</i></b>	<b><i>Log Out</i></b>
<b>Purpose:</b>		Testing the log out	
<b>Prerequisite:</b>		<ul style="list-style-type: none"><li>• Database is connected</li><li>• Web Server is running</li><li>• Logged in as any user</li></ul>	
<b>Priority:</b>		Low Priority.	
<b>Steps:</b>		1. Click on Log Out link	
<b>Expected Results:</b>		Redirection to a page where a user can log in	
<b>Actual Results:</b>		Redirection to homepage	
<b>State:</b>		Pass	
<b>Issue #:</b>		N/A	
<b>Execution Date:</b>		9/4/2018	
<b>Build Version:</b>		GitHub Branch: Master Tree: f3b4a80514	
<b>Notes and Questions:</b>		N/A	
<b>Tester Name:</b>		Chahira	

## 2.3 Non-functional Testing

### 2.3.1 Performance Testing

Currently not applicable.

When our website is connected to a server, we can test the performance and speed of our website using **Google Page Speed Insights** and **Dareboost.com** on-line free tool.

### 2.3.2 Quality Testing

Currently not applicable.

When our website is connected to a server, we can test the design quality of our system using **Powermapper.com** tool.

This tool provides:

- **Cross-Browser Testing:** To check that the system is compatible with all browser types.
- **Accessibility Standards Testing:** These checks help find problems stopping disabled users from using a web site.
- **Broken Link Checker:** Find broken links and missing images and detects server configurations issues.
- **Visual Sitemap Generator:** used to document website structure.

### 2.3.3 Interface Testing

- Tested the connection with the Database Mysql separately from a Java class on IDE Netbeans
- Created a test query in our java class and tested its execution on the previous platforms.
- Tested the connection with servers GlassFish 4.1.0, GlassFish 4.1.1 and Apache TomCat 8.0.27

### 2.3.4 Other Testing

Not applicable.

### 3. References

Website Speed Test and Website Analysis – Free test. (n.d.). Retrieved April 10, 2018, from <https://www.dareboost.com/en/home>

One Click Website Testing. (n.d.). Retrieved April 10, 2018, from <https://www.powermapper.com/>

PageSpeed Insights. (n.d.). Retrieved April 10, 2018, from <https://developers.google.com/speed/pagespeed/insights/>

### 4. Glossary

Not applicable

### 5. Appendices

Not applicable