Test summary report

**VERSION 1.0**

DOCUMENT HISTORY

| **DOCUMENT APPROVAL HISTORY** | |
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| Prepared By | Alper Besli, Mehmet Akif Yagci |
| Reviewed By | Ilayda Dede, Ahmad Sroosh Rahmani |
| Approved By | Belaynesh Chekol |

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| **DOCUMENT REVISION HISTORY** | | | |
| Date | Document Version | Revision Description | Author |
| Jan 4, 2023 | 1.0 | Initial Version | Alper Besli  Mehmet Akif Yagci |
| Jan 12, 2023 | 1.1 | Final Version | Alper Besli  Mehmet Akif Yagci |

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Introduction about the test summary

Test Summary Report for Personal Blog Website

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| **GENERAL INFORMATION** | | |
| **Test Level: Summary Date: *01/13/23***  Unit  Integration  System  Performance  Acceptance  Other   * Usability ✓ * Functionality ✓ * Security ✓ * Data Flow ✓ | | |
| ***Personal Blog Website*** | | **Build, Version/Revision Number:**  ***Version 0.9.1*** |
| **SUMMARY** | | |
| **TEST PERFORMED** | * ***Navbar Functionality & Usability*** * ***Hamburger Button Functionality & Usabilitiy*** * ***Login Functionality & Usability & Security*** * ***Contact Functionality & Usability % Security*** * ***Main Page Functionality & Usability*** * ***Blog Posts Functionality & Usability*** * ***Arrow Buttons Functionality & Usability*** * ***/secret Page Security*** * ***MySQL Configurations*** | |
| **DEVIATION (VARIANCES) & RESIDUAL RISK** | * ***Additional test cases are needed to increase test coverage due to problems encountered while executing tests for securtiy of login and contact, and some tests are no need to executed.*** | |
| **TEST COMPLETION EVALUATION** | * ***Everything done in the test plan except social media buttons due to our decision.***   **(Out of 5)**   * ***System*** ✓✓✓✓❌ * ***Performance*** ✓✓✓❌❌ * ***Acceptance*** ✓✓✓✓❌ * ***Usability*** ✓✓✓✓✓ * ***Functionality*** ✓✓✓✓✓ * ***Security*** ✓✓✓✓❌ * ***Data Flow*** ✓✓✓❌❌ * ***We decided to don’t make Administrator Contact module test because it uses the same module as Guest’s module and Social media buttons no required for this test.*** | |
| **FACTORS THAT BLOCKED PROGRESS** | * ***The scheduled testing extended beyond the planned completion date due to inorganized HTML id=”” assignings and VSCode works inproperly sometimes.*** * ***MySQL version bugs.*** | |
| **TEST MEASURES** | * ***Measurements are; Tracing incidents, Errors, Warning in the VSCode, GET / POST Response times, NoSuchElementError’s using ‘print’ function in test cases to see test path and using ‘time.sleep()’ function to actually recognize what is happening in the background while testing.*** | |
| **TEST DELIVERABLES & REUSABLE ASSETS** | * ***[Specify the test deliverables and artifacts produced as a result of the test effort*** * ***Every test case in one python file is inside the “C:\..\..\..\GitHub\Software\_Validation\_Project\_\Client\_Test \test.py” file.*** | |
| **LESSON LEARNED** | * ***This website should implemented with updated versions of applications for doesn’t face problems and bugs thus, We need to check every page’s html code for be sure that we don’t have multiple elements with same id, this occurs a test and usability bugs.*** | |
| **FINAL RECOMMENDATION** | * ***Everything done except SQL Injections. I recommend to test SQL Injections with detailed injection types.*** * ***Use Latest Version of applications such as MySQL ver8.\*.\* for don’t face bugs, stay up to date with middleware applications and frameworks and add more security when possible for GET/POST requests clearly visible through Client Web Console, we should encrypt this data as much as we can.***   Test Phase Completion Approved  Test Phase Completion Approved Conditionally Explanation:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Test Phase Completion Disapproved  Explanation:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

| **APPROVALS** | | |
| --- | --- | --- |
| NAME/TITLE | SIGNATURE | DATE |
| *Ahmad Sroosh Rahmani << Test Manager>>* |  | *13.01.2023* |
| *İlayda Dede <<Test Manager>>* |  | *13.01.2023* |
| *Alper Beşli <<Test Engineer >>* |  | *13.01.2023* |
| *Mehmet Akif Yagci <<Test Engineer>>* |  | *13.01.2023* |

test measureS

*The table below summarizes the overall test results for the builds that were tested for* ***0.9.1*** *during* ***1 week.***

| *Builds/*  *Build Date* | *Total Designed Test Cases* | *Total Test Cases Executed* | *No. Of Test Cases Passed* | *% Of Passed Test Cases* | *No. Of Test Cases Failed* | *% Of Failed Test Cases* | *No. Of No Test Or Stopped Test Cases1* | *% Of Stopped Test Cases* | *Defects Found* |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *08.01.2023* | ***145*** | ***130*** | ***80*** | ***%61,5*** | ***50*** | ***%38,5*** | ***45*** | ***%31*** | ***50*** |
| *09.01.2023* | ***35*** | ***35*** | ***24*** | ***%68,5*** | ***11*** | ***%31,5*** | ***0*** | ***%0*** | ***11*** |
| *12.01.2023* | ***24*** | ***24*** | ***18*** | ***%75*** | ***6*** | ***%25*** | ***0*** | ***0*** | ***6*** |
|  |  |  |  |  |  |  |  |  |  |

| *Test Case ID and Description* | *Reason Not Tested Or Stopped* |
| --- | --- |
| *[7] Contact* | *Unlimited non-exist email extensions* |
| *[8] Contact* | *Unlimited name, email and message possibility.* |
| *[18] Back Button* | *Unlimited password entry possibility, but one test is enough for test this enviroment works correctly.* |
| *[20] Contact* | *Unlimited name, email and message possibility.* |

***Test Coverage***

*The table summarizes the test coverage criterion used in determining the testing of systems, subsystems, logic, functions, or features. If the project is using a tool, use the tool’s reporting capabilities to report the test coverage. Otherwise, a Test Coverage Matrix could be created using either Excel or Word. Additionally, a Requirements Test Coverage Matrix template may be used to track and report requirements coverage.*

| ***Test Coverage***  ***(e.g., Logic, Function, Feature)2*** | ***Prioritization***  ***(e.g., High, Medium, Low)*** | ***No. Of Possible Test Cases*** | ***Actual No. Of Test Cases*** | ***% Test Coverage*** |
| --- | --- | --- | --- | --- |
| *Function, Navbar* | ***High*** | ***12*** | ***12*** | ***%100*** |
| *Function, Log in* | ***High*** | ***9*** | ***9*** | ***%100*** |
| *Function, Contact* | ***High*** | *∞* | ***2*** | *%100* |
| *Function, Hamburger* | ***Medium*** | ***4*** | ***4*** | ***%100*** |
| *Usability, Main Page* | ***High*** | ***20*** | ***20*** | ***%100*** |
| *Usability, Text* | ***Low*** | ***1*** | ***1*** | ***%100*** |
| *Usability, Main page link* | ***Low*** | ***7*** | ***7*** | ***%100*** |
| *Usability, Slide button* | ***Medium*** | ***2*** | ***2*** | ***%100*** |
| *Usability, Navbar* | ***Medium*** | ***4*** | ***4*** | ***%100*** |
| *Usability, Content* | ***Low*** | ***1*** | ***1*** | ***%100*** |
| *Security, Login Form* | ***High*** | ***1*** | ***1*** | ***%100*** |
| *Secuirty , username & password* | ***High*** | ***1*** | ***1*** | ***%100*** |
| *Secuirty, Back button* | ***High*** | *∞* | ***1*** | ***%100*** |
| *Security, /secret Page* | ***High*** | *2* | ***2*** | ***%100*** |
| *Data Flow, Contact Form* | ***Medium*** | *∞* | ***1*** | ***%100*** |

***Defect Report***

*This table provides a high level overview of the application quality in terms of defect quantities, types, severity level, and final state. The defect quantities should be compared to the exit criteria as stated in the Master Test Plan or level test plan to verify whether the number of defects by type and severity level are appropriate.*

*Note: The Severity Level of Defect values (e.g., Critical, Major, Average, Minor) are examples and may vary depending on the project. The appropriate severity level categories for the project should be inserted in the “Severity Level of Defect” column.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Severity Level Of Defect*** | ***Total No. Of Defects Found In The Test Level*** | ***Total No. Of Defects Closed At The End Of The Test Level*** | ***Total No. Of Defects Open At The End Of The Test Level 3*** | ***Describe Impact To Application Of Postponed Function*** |
| ***Critical*** | *14* | *14* | *0* | *Login, Accessing webpage, Can't send Message if message contains space,Message will corrupt if message contains special chars, href redirections was wrong so cant access the other pages as well, MySQL ver5.7.31 comes with Auto Increment bugs which is have critical consequences like AUTO\_INCREMENT method doesn’t work as expected when we delete something inside the database.* |
| ***Major*** | *3* | *3* | *0* | *Message field type was <input> not <textarea> so we cant message in rows and columns specified, all get methods dropping connection error so we redirected to 403 page with router.get('/\*') function, They could unlimited request to login page so we make a middleware which controls login requests after 5 attempts it will ban from server.* |