

# TEST SUMMARY REPORT

Version 1.5

## DOCUMENT HISTORY

DOCUMENT APPROVAL HISTORY	
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DOCUMENT REVISION HISTORY			
DATE	DOCUMENT VERSION	REVISION DESCRIPTION	AUTHOR
05.01.2024	1.0	Template initiated and report is written	Mohammed Halis
05.01.2024	1.1	Some typos are fixed.	Samet Kırıkdirek
06.01.2024	1.2	Test case has been added so the report was updated accordingly.	Samet Kırıkdirek
06.01.2024	1.3	Added the search bar to test cases	Okan Toga
06.01.2024	1.4	We closed the defect with medium severity	Hassan Faour
06.01.2024	1.5	Completion of Final Recommendation part/ Approval of Documentation by group members	Hassan Faour

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## **DESCRIPTION OF WORMY**

Welcome to Wormy, where stories come alive and knowledge finds its home! Dive into a world of literary wonders at our online bookstore. We curate an extensive collection of books across genres, catering to every reader's passion and curiosity.

Explore our shelves overflowing with captivating novels, timeless classics, gripping thrillers, insightful non-fiction, and much more. Whether you seek an adventure in distant lands or crave to unravel the depths of human understanding, we have the perfect book waiting for you.

Our platform is designed to make your reading journey seamless. Browse through our carefully selected titles, read reviews, and discover hidden gems recommended by fellow book enthusiasts. Embrace the joy of discovering new authors or indulge in beloved favorites.

With easy navigation and a user-friendly interface, finding your next literary adventure is effortless. From hardcovers to e-books, we offer various formats to suit your preference. Dive into our world of words, where every page promises a new adventure and knowledge awaits at every turn.

Join us in celebrating the magic of storytelling and the boundless universe of books. Let's embark on an enchanting journey together—one page at a time.

### **1.1 TEST PLAN**

#### **1.1.1 SCOPE**

##### **1.1.1.1 FEATURE TO BE TESTED**

- Register
- Login
- Book page
- Shopping Cart
- Contact
- Search Bar (Not implemented)
- Log out
  
- Usability
- Functionality
- Security
- Data flow

##### **1.1.1.2 FEATURE NOT TO BE TESTED**

These feature are not be tested because they are not included in the software requirement specs

- User Interfaces

- Compatibility across devices
- Contact form submitting
- Hardware Interfaces
- Software Interfaces
- Database tables
- Website Performance

### 1.1.2 TESTING TYPE

We will be applying functional testing method, usability test, security testing and dataflow testing.

### 1.1.3 DOCUMENT OF RISK AND ISSUES

Risk	Mitigation
Team members are not experienced in testing websites.	Members' abilities will improve throughout lectures
Because the team members were not used to working in groups, there were some problems when they tried to apply their various areas of qualifications.	Groups were made that included members who had similar experiences so they can work together easily
A lack of cooperation negatively affects members	Encourage members in their tasks

### 1.1.4 TEST LOGISTICS

#### 1.1.4.1 WHO WILL TEST?

The project will be tested by the tester (Okan Toga).

#### 1.1.4.2 WHEN WILL TEST OCCUR?

The tester will start the test execution when all the following inputs are ready

- Website is available
- Test Specification is created
- Test Environment is built
- Enough people for usability test are gathered

## 1.2 TEST OBJECTIVE

The test objectives are to verify the functionality of website Wormy, the project should focus on testing the Login – register cases, book pages, shopping cart functions and verify the website is secure from SQL Injections to guarantee all these operations work normally in real environment.

## 1.3 TEST CRITERIA

We have 39 test cases for Wormy project and only one of them failed and two were not tested which exceeds our minimum criteria so we can proceed to the next phase.

## 1.4 RESOURCE PLANNING

### HUMAN RESOURCE

<b>Test Manager</b>	The test manager made sure the work between the group was running in a valid flow and there were no issues were made between different groups. He oversaw all the stages of the project.
<b>Tester</b>	Conduct both manual and automated tests of software products. Execute test and reports the defects
<b>Developers (Frontend)</b>	They were responsible for designing the whole website.
<b>Developers (Backend)</b>	They created the website's database. They implemented the features that were going to get tested into the website.
<b>Documenters</b>	The documenters created the presentation PowerPoint and this test report. They looked over the testing stage and updated the documents accordingly.

## SYSTEM RESOURCE

NO	RESOURCES	DESCRIPTIONS
1	ASP.NET C#	The tool that is used to develop the backend part of the website
2	Python Selenium Tool	The tool that is used in the testing.
3	SQL Server	The tool that is used to develop the database.
4	JavaScript & HTML/CSS	The tool that is used in the designing part.
5	Computer	At least 1 computer that runs Windows 10, Ram 4GB,

## 2 TEST SUMMARY REPORT FOR WORMY

GENERAL INFORMATION	
<b>Test Level:</b> <input checked="" type="checkbox"/> Unit <input type="checkbox"/> Integration <input type="checkbox"/> System <input type="checkbox"/> Performance <input type="checkbox"/> Acceptance <input checked="" type="checkbox"/> Other <input type="radio"/> Security <input type="radio"/> Dataflow <input type="radio"/> Usability <input type="radio"/> Functionality	
<b>Application:</b> "Wormy "	<b>Version 1.2</b>

### 2.1 TEST PERFORMED

We applied functional testing method and usability test for the following modules;

- Register
- Log in
- Book Page
- Shopping cart
- Contact
- Search Bar (Not implemented)
- Log Out

### 2.2 TEST COMPLETION EVALUATION

According to our Master Test plan, we had 6 features and totally 18 test cases for testing Wormy's functional features. On the other hand, we were able to test functionality of 17 test cases which have the critical and major impact on our project Wormy.



## 2.3TEST COMPLETION REPORT

### EXECUTIVE SUMMARY:

**89.5% TEST EXECUTION COMPLETE WITH 84.2% TEST PASSED**

Functionality	Total Test Case	Passed	Failed	Not Tested	Blocked	Execution%	Pass%	Fail%
<b>Register</b>	6	5	1	0	0	100%	83.3%	16.7%
<b>Log in</b>	3	3	0	0	0	100%	100%	0%
<b>Book page</b>	3	3	0	0	0	100%	100%	0%
<b>Shopping cart</b>	1	1	0	0	0	100%	100%	0%
<b>Contact</b>	4	3	0	1	0	75%	75%	0%
<b>Search Bar</b>	1	0	0	1	0	0%	0%	0%
<b>Log Out</b>	1	1	0	0	0	100%	100%	0%
<b>Total</b>	19	16	1	2	0	89.5%	84.2%	5.3%

Test Case ID and Description	Reason Not Tested Or Stopped
TC16 – The contact submit button not working	We didn't implement the contact feature because it wasn't a high priority
TC17- The search bar not working	We didn't implement the search bar feature because it wasn't a high priority

**EXECUTIVE SUMMARY:****100% TEST EXECUTION COMPLETE WITH 100% TEST PASSED**

<b>Security Test</b>	<b>Total Test Case</b>	<b>Passed</b>	<b>Failed</b>	<b>Not Tested</b>	<b>Blocked</b>	<b>Execution%</b>	<b>Pass%</b>	<b>Fail%</b>
<b>Register</b>	6	6	0	0	0	100%	100%	0%
<b>Log in</b>	6	6	0	0	0	100%	100%	0%
<b>Contact</b>	6	6	0	0	0	100%	100%	0%
<b>Home Button</b>	2	2	0	0	0	100%	100%	0%
<b>Total</b>	20	20	0	0	0	100%	100%	0%

## 2.4TEST COVERAGE

Test Coverage (e.g., Logic, Function, Feature) <sup>2</sup>	Prioritization (e.g., High, Medium, Low)	No. Of Possible Test Cases	Actual No. Of Test Cases	% Test Coverage
Register	High	6	6	%100
Log in	High	2	2	%100
Book Page	Medium	3	4	%100
Shopping Cart	Medium	1	1	%100
Contact	Low	4	3	%75
Search Bar	Low	1	0	%0
Log Out	Low	1	1	%100
Security Test / Register	High	6	6	%100
Security Test / Login	High	6	6	%100
Security Test / Contact	Low	6	6	%100
Security Test / Home Button	Medium	2	2	%100

### 3 TEST MEASURES

The table below summarizes the overall test results for the builds that were tested for books sales website during 01.01.2024 – 06.01.2024.

Test measures used for Wormy System’s testing process:

- Total designed test cases
- Total test cases executed
- Number of test cases passed
- Number of test cases are not tested
- Number of defects

<i>Builds/ Build Date</i>	<i>Total Designe d Test Cases</i>	<i>Total Test Cases Executed</i>	<i>No. Of Test Cases Passed</i>	<i>% Of Passed Test Cases</i>	<i>No. Of Test Cases Failed</i>	<i>% Of Failed Test Cases</i>	<i>No. Of No Test Or Stopped Test Cases<sup>1</sup></i>	<i>% Of No Test Cases</i>	<i>Defects Found</i>
04.01.2024	39	37	36	%92.3	1	%2.6	2	%5.1	3

### 3.1 DEFECT REPORT

We detected three defects in our application Wormy. One defect has average severity. The other two had minor severity and were not implemented. The defect with the average severity was closed and the rest were left open after testing.

#### Defect 1 /Average level

##### Register Email

Accepts strings without the “@” symbol. So any user can add any text and it will accept it as an email. → *Defect closed*

#### Defect 2 / Minor level

##### Contact Submit Button

The submit button does not work since it is not implemented. → *Defect open*

#### Defect 3 / Minor Level

##### Search bar

The search bar does not work since it is not implemented → *Defect open*

<i>Severity Level Of Defect</i>	<i>Total No. Of Defects Found In The Test Level</i>	<i>Total No. Of Defects Closed At The End Of The Test Level</i>	<i>Total No. Of Defects Open At The End Of The Test Level<sup>3</sup></i>	<i>Describe Impact To Application Of Postponed Function</i>
<i>Critical</i>				
<i>Major</i>				
<i>Average</i>	1	1	0	The text box should only accept string in an email format.
<i>Minor</i>	2	0	2	Features were not implemented.

## **3.2 TEST DELIVERABLES & REUSABLE ASSETS**

As a result of test effort; Test plan, test cases, test data, defect/bug report and test summary report produced as deliverables and artifacts.

We can use reusable assets for Wormy project while we improve our website.

Reusable assets for Wormy project:

- Test cases
- Test data
- Defect report
- Standard templates
- Summary reports

## **3.3 LESSON LEARNED**

We believe that in order to advance our project, we can test a greater number of test cases overall and a greater number of test cases specifically as a result of our test studies. As a result, we will be able to boost the test success rate, which will raise the standards of our project.

## **3.4 FINAL RECOMMENDATION**

In summary, we had 39 total test cases and 37 of them performed. 94.9% test execution complete with 92.3% test passed. We came across with 3 defects, two of them have minor effects and 1 of them has average effect on our project. 1 of the defects is closed, 2 of them are still open. For the next level, we will increase the overall amount of test cases, as well as the proportion of testing and passed tests. We can reuse summary reports, standard templates, defect reports, test cases, and test data.

APPROVALS		
NAME/TITLE	SIGNATURE	DATE
Talha Ümit Akın		06.01.2024
Hassan Faour		06.01.2024
Okan Toga		06.01.2024