



Capstone Project 2

CMU-SE 451

Test Plan

Version 1.4

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Food Care

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PROJECT INFORMATION

Project acronym	FC		
Project Title	Food Care		
Start Date	01 Mar, 2021	End Date	25 May, 2021
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REVISION HISTORY

Version	Date	Comments	Author	Approval
1.0	02/03/2021	Initial Release	Duan, Dang Van	
1.1	12/03/2021	Update for sprint 1	Duan, Dang Van	
1.2	10/04/2021	Update for sprint 2	Duan, Dang Van	
1.3	13/05/2021	Update for sprint 3	Duan, Dang Van	
1.4	22/05/2021	Final	Vinh, Huynh Dac	

Document Approval

The following signatures are required for approval of this document

Mentor	Dang Viet Hung	Date:
Scrum Master	Huynh Dac Vinh	Date:
Product Owner	Tran Quoc Trung	Date:
Team Member	Ton That Minh Huy	Date:
Team Member	Dang Van Duan	Date:

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1. Introduction:

A test plan is a detailed software verification document that provides specifics on how the validate will test all aspects of the software design. This test plan document contains a description of test cases to be written for each function, and a description of the testing platform to be used.

1.1. Purpose:

The purpose of the Test Plan is to define, schedule and monitor the test execution. It supports the following objectives:

- Provide a list of test functions.
- List the Requirements for Test.
- Describe the testing strategies to test functions.
- Identify the required resources and schedule the Test execution

1.2. References:

No.	Reference	Document Information
1	Test plan Template	Test plan template of Hung from mentor
2	Proposal	C2SE.18-Proposal_Ver.1.1
3	Product Backlog	C2SE.18-ProductBacklog_Ver.1.0
4	Project Plan	C1SE.18-ProjectPlan_Ver.1.0

1.3. Background information:

As introduced in the Proposal document, there are many things all the members in the team must do. However, the project duration is 3 months. This project has a scope to meet the time constraint.

1.4. Scope of testing:

This Test Plan is for release TEST PLAN FOR SECURE Food Care – Diet Building System. The Test Plan defines the unit, system testing approach. The test scope includes the following:

- Testing of all functions, application performance and use cases requirements listed in the Product Backlog document
- Quality requirements and fit “Food Care system” metrics
- End-to-end testing of “Food Care system” Platform

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1.5. Risk list:

No.	Risk	The plan for corrective	The level of influence
1	Time	Work overtime on Sunday	High
2	Experience	Experience sharing used to reduce the research time.	Medium

2. Requirements for test**2.1. Test items:**

The following list describes the features that will be tested:

No	Function	Type test case	Note
1	Sprint1		
1.1	Design test case for " Register"	User interface, Function Test	
1.2	Design test case for "Login for user "	User interface, Function Test	
1.3	Design test case for "Logout "	User interface, Function Test	
1.4	Design test case for " Change password"	User interface, Function Test	
1.5	Design test case for "Reset password "	User interface, Function Test	
1.6	Design test case for " Edit profile"	User interface, Function Test	
1.7	Design test case for "Filter food "	User interface, Function Test	
1.8	Design test case for "Search food "	User interface, Function Test	
1.9	Design test case for "View food detail "	User interface, Function Test	
1.10	Design test case for "Add food favorite list "	User interface, Function Test	

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1.11	Design test case for "View favorite list "	User interface, Function Test	
1.12	Design test case for "Remove food favorite list"	User interface, Function Test	
1.13	Design test case for "Create custom food"	User interface, Function Test	
1.14	Design test case for " Update custom food"	User interface, Function Test	
1.15	Design test case for "Remove custom food "	User interface, Function Test	
1.16	Test " Register"	User interface, Function Test	
1.17	Test "Login for user "	User interface, Function Test	
1.18	Test "Logout "	User interface, Function Test	
1.19	Test " Change password"	User interface, Function Test	
1.20	Test "Reset password "	User interface, Function Test	
1.21	Test " Edit profile"	User interface, Function Test	
1.22	Test "Filter food "	User interface, Function Test	
1.23	Test "Search food "	User interface, Function Test	
1.24	Test "View food detail "	User interface, Function Test	
1.25	Test "Add food favorite list "	User interface, Function Test	
1.26	Test "View favorite list "	User interface, Function Test	

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1.27	Test "Remove food favorite list"	User interface, Function Test	
1.28	Test "Create custom food"	User interface, Function Test	
1.29	Test " Update custom food"	User interface, Function Test	
1.30	Test "Remove custom food "	User interface, Function Test	
2	Sprint2		
2.1	Design test case for "Add food menu "	User interface, Function Test	
2.2	Design test case for " Remove food to menu"	User interface, Function Test	
2.3	Design test case for "view collection "	User interface, Function Test	
2.4	Design test case for "Create collection "	User interface, Function Test	
2.5	Design test case for "Remove collection "	User interface, Function Test	
2.6	Design test case for "Add to collection "	User interface, Function Test	
2.7	Design test case for "Remove food collection "	User interface, Function Test	
2.8	Design test case for "Request to public food "	User interface, Function Test	
2.9	Design test case for "List requested food "	Admin interface, Function Test	
2.10	Design test case for "Withdraw requested food "	Admin interface, Function Test	
2.11	Test "Add food menu "	User interface, Function Test	

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2.12	Test "view collection "	User interface, Function Test	
2.13	Test "Create collection "	User interface, Function Test	
2.14	Test "Remove collection "	User interface, Function Test	
2.15	Test "Add to collection "	User interface, Function Test	
2.16	Test "Remove food collection "	User interface, Function Test	
2.17	Test "request to public food "	User interface, Function Test	
2.18	Test "List requested food "	Admin interface, Function Test	
2.19	Test "Withdraw requested food "	Admin interface, Function Test	
3	Sprint3		
3.1	Design test case for "Login for admin "	Admin interface, Function Test	
3.2	Design test case for " Change password"	Admin interface, Function Test	
3.3	Design test case for "View all users "	Admin interface, Function Test	
3.4	Design test case for "Ban user "	Admin interface, Function Test	
3.5	Design test case for "View all food "	Admin interface, Function Test	
3.6	Design test case for "Approve food "	Admin interface, Function Test	
3.7	Design test case for "Create food"	Admin interface, Function Test	

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3.8	Design test case for "Update food "	Admin interface, Function Test	
3.9	Design test case for "Delete food "	Admin interface, Function Test	
3.10	Design test case for "Receive recommended menu"	Admin interface, Function Test	
3.11	Test "Login for admin "	Admin interface, Function Test	
3.12	Test "Change password "	Admin interface, Function Test	
3.13	Test "view all users "	Admin interface, Function Test	
3.14	Test "ban user "	Admin interface, Function Test	
3.15	Test "View all food "	Admin interface, Function Test	
3.16	Test "Approve food "	Admin interface, Function Test	
3.17	Test "Create food "	Admin interface, Function Test	
3.18	Test "Update food "	Admin interface, Function Test	
3.19	Test "delete food "	Admin interface, Function Test	
3.20	Test "Receive recommended menu"	Admin interface, Function Test	

(*) **Team acronym– F: Team name**

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3. Test Cycle Entry and Exit Criteria**3.1. Entry Criteria**

- All test hardware platforms must have been successfully installed, configured, and functioning properly.
- All the necessary documentation, design, and requirements information should be available that will allow testers to operate the system and judge the correct behavior.
- Proper test cases are available.
- The test environment such as, lab, hardware, software, and system administration support should be ready.

3.2. Exit Criteria

- All test cases have been run.
- A certain level of requirements coverage has been achieved.
- No high priority or severe bugs are left outstanding.
- All high-risk areas have been fully tested, with only minor residual risks left outstanding.
- The schedule has been achieved.

4. Test strategy**4.1. Test stages:**

Test Types	Test Stages		
	Unit	Integration	Acceptance
Functional Tests	X	X	X
User Interface	X	X	X
Reliability <ul style="list-style-type: none"> • Integrity • Structure 	X	X	

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4.2. Tools

Purpose	Tool	Vendor	Version
Microsoft Excel is used to write Test Plans and Test Cases.	Microsoft Excel 2016	Microsoft	
Selenium IDE is a Firefox add-on developed originally by Shinya Kasatani as a way to use the original Selenium Core without having to copy Selenium Core onto the server	Selenium	Selenium Open Source	

5. Resource**5.1. Human Resource**

The role	Resource	Specific responsibilities
Tester		Executes the tests. Responsibilities include: <ul style="list-style-type: none"> - Execute test suites - Log results - Analyze and recover from test failures - Document incidents

6. Test Milestone

Milestone Task	Date Start	Date Finish
Test plan and test case for Sprint 1	08 Mar	02 Apr
Test plan and test case for Sprint 2	05 Apr	28 Apr
Test plan and test case for Sprint 3	03 May	22 May