Navy Food Security App

**Test Plan**

*Purpose: This documentation is for the testing of the Navy Food Security App Functional and Non-Functional features to*

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# Overview

## Purpose

This Test Plan outlines the process of

The purpose of this document is to define:

* The context of the testing,
* The test methodology,
* The test environment
* The types of tests
* The standards that will apply
* The test deliverables
* The test scope, including functional and non-functional tests.

## Context

Describe the context of the application and its testing. What are the benefits of testing? Who are the stakeholders and what are their roles in the testing?

## Methodology

This section explains the testing methodology that will be performed by the project team for the <project name> project. It defines the overall testing approach and test activities. Its purpose is to document:

* How testing will be performed;
* What resources are needed and their responsibilities, as well as the schedule for testing
* How will defects and test cycles be managed?
* Any risks or dependencies
* Formal SDLC methodologies that will be followed.

Well known testing methodologies may include V model, Waterfall model, and iterative or agile methodologies. Explain the rationale for choosing a particular model.

## Test environment

What platforms will the app run on? Does it need to connect to a backend system? Describe the environment (hardware, software, network) that needs to be set up for testing. What tools and frameworks will be used? Is there a plan for resource provisioning?

## Types of Tests

Describe the types of tests that will be done.

In addition to the functional and non-functional tests, what stages/levels of testing will there be and who will be responsible for performing them?

Will UI tests be conducted in the same way as other functional tests? ie. Will you use interactive testing, automated unit testing or a combination?

Will there be black box testing, white box testing, or a combination?

## Test standards

What standards will be used for measuring the quality of the software? What processes will be used for ensuring quality assurance standards are met?

Will test cycles be iterated until there are no more defects, or will defect fixes be prioritised?

## Test deliverables

How will test results be captured or recorded? What are the test deliverables?

Who will signing off at the end of the test cycle and what will be the handover process?

# Testing Plan

## Scope of Testing

### Functional tests

List the functional tests here or in a spreadsheet.

The list of functional tests must cross-reference the items in the requirements specifications.

Describe what input data will be used in the test cases.

Include the following elements:

* Requirement number
* Test number
* Description or steps in the test
* Input data
* Expected results
* Pass or fail result for each iteration/date
* Priority/severity

### Performance tests

Determine what performance test metrics will be used to evaluate performance. Consider memory usage, CPU and response time.

Will it be feasible to conduct load testing?

### Other non-functional tests

Discuss other non-functional tests such as security, usability, scalability, etc.

Can any metrics be captured related to the usage of the application?

### Out of scope

Describe what is out of scope from a testing perspective for the project team. For example, the user may be responsible for testing usability or functionality that requires business domain knowledge. Have the requirements been assigned a MoSCoW prioritisation?