

AUNTIES ASSEMBLE TEST PLAN

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Introduction

The Test Plan has been created to communicate the test approach to team members. It includes the objectives, scope, schedule, risks and approach. This document will clearly identify what the test deliverables will be and what is deemed in and out of scope.

Objectives

Aunties Assemble is a web-based food delivery application that will enable individual vendors to sell homemade food to Abu Dhabi residents and tourists. The application will be delivered using Javascript and HTML. The testing plan aims to ensure that the completed functionality works correctly and meets the requirements of the project. The test team consists of the four team members developing the application.

Phase 1 of this project will deliver the login, registration, browsing, set up page, place order and open for order functionality.

Team Members

Name	Role
Muyan Jiang	Tester - complete test plan, design test cases, carry out tests and document results
Omar Hussein	Tester - complete test plan, design test cases, carry out tests and document results
Usman Ali	Developer - develop the assigned use cases ready for testing and make necessary adjustments based on test results
Runyao Fan	Developer - develop the assigned use cases ready for testing and make necessary adjustments based on test results

Scope

The initial phase will include all 'must have' requirements. These and any other requirements that get included must all be tested.

At the end of Phase 1, a tester for the customer must be able to:

1. Register to the platform as a customer
2. Login to the platform
3. Browse restaurants
4. Place an order

At the end of Phase 1, a tester for the vendor must be able to:

5. Register to the platform as a vendor
6. Login to the platform
7. Create a page

8. Receive orders

The second phase will ensure that payment functionality and delivery functionality is implemented correctly.

Assumptions / Risks

Assumptions

This section lists assumptions that are made specific to this project.

1. Users will all have access to Github testing server
2. Users will abide by the test plan and project timeline to ensure timely completion of all stages

Risks

The following risks have been identified and the appropriate action identified to mitigate their impact on the project. The impact (or severity) of the risk is based on how the project would be affected if the risk was triggered. The trigger is what milestone or event would cause the risk to become an issue to be dealt with.

#	Risk	Impact	Trigger	Mitigation Plan
1	Scope Creep – as testers become more familiar with the tool, they will want more functionality	High	Delays in implementation date	Each iteration, functionality will be closely monitored. Priorities will be set and discussed by stakeholders. Since the driver is functionality and not time, it may be necessary to push the date out.
2	Changes to the functionality may negate the tests already written and we may lose test cases already written	High – to schedule and quality	Loss of all test cases	Export data prior to any upgrade, massage as necessary and re-import after upgrade.
3	Weekly delivery is not possible because the developer works off site	Medium	Product did not get delivered on schedule	

Test Approach

The project is using an agile approach, with weekly iterations. At the end of each week the requirements identified for that iteration will be delivered to the team and will be tested. Moreover, depending on the on-going process of the development team, we expect to design and conduct tests on at least 2 use cases each week.

The rationale behind the choice of the approach is as follows. For one thing, because of the time constraints, we need a parallelized testing plan to keep aligned with the development so that our deliverables will be ready on time. For another thing, since both the development team and the testing team are new to their responsibilities, agile approach provides a high error-tolerance rate for them to detect and fix a problem, which is important to amateurs.

Black-box testing (focusing on carefully designed input and expected output) and white-box testing (focusing on the detailed CSS, HTML code of the web) will both play a large part of the testing. The team has never used this type of tool and will be learning as they go. Tests for planned functionality will be created and added to the plan as we get iterations of the product each week.

Test Automation

Automated unit tests are part of the development process, but no automated functional tests are planned at this time.

Test Environment

A new server is required for the web server, the application and the database. We will rely on the built-in server from GitHub.

Test Resources

We will carry out our test using the test case worksheet provided on NYU Classes.

Milestones / Deliverables

Test Schedule

The initial test schedule is as follows

Task Name	Start	Finish	Effort	Comments
Test Planning	11.9	11.15	2 person-labor	
Review Requirements documents	11.9	11.15		Requirement documents are reviewed simultaneously with the testing planning process to ensure to test and deliver a correct and desirable working product.
Create initial test estimates	11.16	11.23	2 person-labor; independent work	
Staff and train new test resources	11.16	11.23	Training for 2 testers	2 testers refresh their knowledge about different testing tools (black-box and white-box) for future use.
Functional testing – Iteration 1	11.23	11.30	2 person-labor	Use cases include “Log In” and “Registration”
Functional testing – Iteration 2	11.30	12.5	2 person-labor	Use cases include “Browsing Vendor List” and “Select Items”

System testing	12.5	12.6	2 person-labor	
Regression testing	12.6	12.7	2 person-labor	
Resolution of final defects and final build testing	12.7	12.7	2 person-labor	
Deploy to Staging environment	12.7	12.7	2 person-labor	

Deliverables

Deliverable	For	Date / Milestone
Test Plan	Project Manager; Development Team; Test Team	11.15
Traceability Matrix	Project Manager	11.23
Test Results	Project Manager; Development Team	11.30;12.5
Test Status report	Project Manager	Available throughout the testing stage
Metrics	All team members	