Title: Stuffed Face - Test Plan

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Document Author and Contributing Authors

Author	Role	Team
Patrycja Ciosek	Junior Tester	Test

Document Distribution List

Name	Role	Contact Email	Approve/ Review/ Inform
Patrycja Ciosek	Junior Tester	p.ciosek@example.com	Approve
Sue Smith	Junior Consultant	s.smith@example.com	Review
John Smith	Product Owner	p.o@example.com	Inform

Document References

Ref.	Document	Description	Link
1	Requirements	Requirements Stated in Jira	https://example
2	Risk Log	Risks Sheet	https://example
3	Test Cases	Scripted & Exploratory Test Cases' Sheet	https://example
4	Defect Log	Defects in Jira	https://example

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Purpose

The purpose of this document is to outline the test approach for the introduction of the Academy Stuffed Face web application.

Project Overview

The Academy Stuffed Face Website is searching for a quick deployment of the system with only key features available, aiming to be the first on the market and start building their customer base. The main requirement is to be able to add restaurants and orders to point out popular places to eat in your city. Stuffed Face is a simple system letting us as users create our own account with an option to edit your information and keep track of your previous orders.

The requirements for Stuffed Face are captured on Jira – see Document References for details.

There might be another release in the future that will make it available to browse through restaurants globally but at this phase we are focussing on local scope only. As well as Performance Testing which stays out of our testing scope in this phase.

Test Objectives

The core objectives of the testing phase for this project are to:

- Verify if the website's key features work as intended, and that any significant defects and risks are mitigated, with a particular focus on usability.
- Verify that the website design is compatible on a selection of browsers and mobile devices.
- Test the simplicity of the user interface and raise design improvements for the next releases.

Test Scope

In Scope

As the User stories are cleansed and better defined it is anticipated that the list of epics could also change

Below is a list of the Epics and types of testing that are currently in scope:

Type of Testing	Epics
Unit Testing/ Functional requirements	Registration
	Log in
	Upload menus
	Prices
	View Restaurants & Menus & Orders
System Testing/ End to end functionality & Usability	Display Table Icon
	Rate Option
	Valid new entries
	Manipulate Items & Orders
	Order History
	Edit Account
	Final Bill
	Admin Page
Integration Testing/ Interactions and interfaces between integrated components	Database
	Website
Acceptance Testing/ User Acceptance Testing	User Interface
Compatibility Testing/ Different devices & browsers	Website & Mobile / Chrome & Safari
Security Testing	Website

The Epics above are taken from requirements documented in Jira – see Document References for details.

Out of Scope

As this is an Agile project the scope of the project and testing can change to meet the business needs, however it is noted that changes to the scope will impact the timelines, resource profile or capacity of the team.

Type of Testing Out of Scope
Performance Testing/ Performance Testing is planned as in scope for the next release testing phase

Test Approach

Black Box Test Technique will be applied to this project due to lack of the internal knowledge of the system. All tests will be identified from the requirements delivered and functions of the website. Testers will examine the desired behaviours; all tests and defects will be documented – see Document References for details.

Risked-Based Testing

Due to the time constraints, a risk-based approach will be taken, focusing on the high priority areas of the system first. The lower priority functions of the system may not be tested due to lack of time - this will be discussed and agreed with stakeholders if required.

Scripted Testing

This testing will use a scripted approach, documenting the tests while understanding the requirements. Tests will be executed when the system is made available. All bugs will be reported and the priority of fixing them will be discussed with stakeholders

Exploratory Testing

To maximise test coverage, exploratory test techniques will complement a more traditional scripted approach. Test scripts will be driven from the User Stories and will provide reviewable, documented tests that can help ensure edge cases. During exploratory testing, testers take the User Story and explore the application in that region, reacting and changing course as required; the exploratory tests will be organised and conducted using 'Charters'. Session Based Testing organises the tests into a series of 5 minute 'sessions' that focus on testing a specific area of the application (e.g. field validation).

Test Entry Criteria

- All (in scope) Epics, User Stories and Acceptance Criteria have been prioritised and cleansed by the Product Owner for this phase
- Support from development teams is available
- The test environment provisioned is live like
- Desired tests are defined
- End-to-end scenarios are defined and scripted

Test Exit Criteria

- All (in scope) User Stories have been scripted with a minimum of 100% coverage of the acceptance criteria
- All Exploratory testing has been captured in a test charter, documented and stored
- Minimum of 90% of test scripts have been executed
- Minimum of 85% Pass Rate has been achieved
- All descoped tests have been signed off by the Test Manager and Product Owner
- Any P1 or P2 defects (as defined in the test strategy) that are open at the end of this phase have been resolved or signed off and accepted by the Product Owner
- End-to-end Scenarios are tested, and 100% Pass Rate has been achieved
- All High Priority Risks identified are considered and mitigated where possible
- Sign off is provided by the business to go live

Test Management

Test Tools

Testers will host the test repository which will contain all the Test Cases documentation. Access details below:

Stuffed Face - Test Session

Stuffed Face - Test Script

This tool is used to hold test execution results of each Test Case outlined for this test phase.

Jira will continue to be used for recording defects.

Test Deliverables

Test Deliverables	Owner
Test Plan	Patrycja Ciosek
Test Cases	Patrycja Ciosek
Defect Log	Patrycja Ciosek
Exit Report	Patrycja Ciosek

Test Schedule

Test Activity	Duration	Start Date	End Date
Unit testing	15 min	04/08/2022	04/08/2022
System Testing	15 min	04/08/2022	04/08/2022
Integration Testing	15 min	04/08/2022	04/08/2022
Compatibility Testing	2 min	04/08/2022	04/08/2022
Acceptance Testing	5 min	04/08/2022	04/08/2022
Security Testing	15 min	04/08/2022	04/08/2022

Test Reporting

During the Test execution, live status will be available to Stakeholders to view the progress via the link below. It will also show how testing is progressing including the number of tests including pass, fail and untested.

Stuffed Face - Test Session

Stuffed Face - Test Script

Test Resources

Test Environments

In this Testing phase we are using a single test environment which will be deployed to AWS - IP address TBC.

Please note, configuration for the environment will need to be updated to ensure the website database is configured correctly.

Decommissioning

Once testing has completed and the project warranty period has been met, the test environment will be returned to the team that provisioned it, for use on future projects. At this time any upgrades or infrastructure changes should be undertaken in preparation for the next project.

RAID Log

The below RAID log will be stored on the shared drive and updated only in the share to prevent local copies.

Risks

ID	Risk Description	Likelihood	Impact	Score	Owner
R1	Issues might not be resolved	5	5	25	Patrycja Ciosek
R2	Performance of the website might be poor due to Performance Testing being out of scope	5	5	25	Patrycja Ciosek
R3	Staff got inadequate skills and training for testing	3	5	15	Patrycja Ciosek
R4	Requirements are not detailed enough	4	5	20	Patrycja Ciosek
R5	Test environment will not be	3	5	15	Patrycja Ciosek

	ready on time				
R6	The product might not meet acceptance criteria	4	5	20	Patrycja Ciosek
R7	Quality of the Product/ Code delivered is poor	3	5	15	Patrycja Ciosek

Assumptions

ID	Description
A1	Testing can be finished on time
A2	Necessary equipment is available and in a good condition
A3	Team got all skills required to carry the tasting phase
A4	The product/ Website can determine if the entry restaurant is valid
A5	The product/ Website takes duplicated Restaurant/ Menu items entries as invalid

Issues

ID	Description	Owner
ASF-1035	No menu template available on the website	Patrycja Ciosek
ASF-1036	Template for menu entry accepts 0, negative & big numbers as prices	Patrycja Ciosek

ASF-1055	The prices in the menu are not the same as the ones in existing order	Patrycja Ciosek
ASF-1061	Menu Item's value can be changed to a string and throws an error after order is placed	Patrycja Ciosek
ASF-1081	Admin Page error - not able to open the tab	Patrycja Ciosek
ASF-1033	No validation on restaurant entry name input	Patrycja Ciosek
ASF-1038	System doesn't let the user change his account information (city, email, password)	Patrycja Ciosek
ASF-1040	Lack of option to delete an existing Order	Patrycja Ciosek
ASF-1041	The Total Bill option is not available	Patrycja Ciosek
ASF-1042	Lack of Rate option at all	Patrycja Ciosek
ASF-1048	Registration's username field does not have min - max char range	Patrycja Ciosek
ASF-1050	Guests are not able to view the restaurants	Patrycja Ciosek
ASF-1052	Guests can add a new restaurant entry	Patrycja Ciosek
ASF-1053	A white Table on the bottom of the Home page (add a restaurant) appears for Guests	Patrycja Ciosek
ASF-1057	Restaurant's name input has no validation at all	Patrycja Ciosek
ASF-1060	Menu item's name can duplicate	Patrycja Ciosek
ASF-1062	Payment Button unavailable option shows under user's order (York)	Patrycja Ciosek
ASF-1082	Upload Photo throws an error	Patrycja Ciosek

Dependencies

ID	Description	Date Required	Owner
D1	Test environment delivered on time	04/08/2022	Patrycja Ciosek
D2	The Website has got all the needed templates	04/08/2022	Patrycja Ciosek