

[SHIPT.COM]: USER AUTHENTICATION TEST PLAN

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REVISIONS

#	Date	Author	Description
1	Month DD YYYY	Name Surname	Try to mention all the changes you made. This will come in handy.

ACRONYMS

Acronyms	Description
Acronym	Description

TERMS

Terms	Description
Term	Description

REFERENCES

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SOW#1 Test Plan

Shipt.com

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0.3	03.11.2017	John Doe	Editing
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TEST EFFORT ESTIMATION

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1 INTRODUCTION

1.1 Document Objectives

Test Plan provides planning information for each test phase of the project, including scope of testing, testing approach, data needs, environment needs, and testing resources. It also provides high-level scheduling input for project management and summarizes the testing processes the project will follow

1.2 Terminology

1.2.1 Acronyms

Acronym	Definition
SU	Sign up
LI	Log in
FB	Facebook
CU	Contact US

1.2.2 Definitions

Term	Definition
User authentication	Is a process that allows a device to verify the identify of someone who connects to a network resource.

1.3 Project Information

Shipt connects members to fresh groceries and everyday essentials. Saving time, fuel and headspace, next-hour, same day grocery delivery is quickly becoming an everyday necessity for people looking for an extra few hours and intentional food choices.

1.4 In Scope

Functional or Non-Functional Component To Be Tested	Priority (High, Med, Low)
Valid authorization	High
Facebook Authorization	High
Partners registration	High
New client registration	High
Credit card verification	High
Live Chat	High
2 weeks trial test	High
Get paid to shop	Med
Social network links	Low

1.4.1 Devices in Scope:

Make	Model
MacBook	Pro Retina 15
MacBook	Pro Retina 13
iPhone	10
iPhone 8 Plus	8 Plus
Google Pixel	2XL
Samsung	Galaxy S8

1.5 Out of Scope

Functional or Non-Functional Component Not To Be Tested	Comments (Mandatory)
Any third party components testing including Mail chimp app except components listed above	Any third party software and hardware components test is responsibility of respected suppliers of these components
Full System Regression Test	Components related to functionality implemented earlier
Automated Tests	All test scope will be covered by manual execution

2 TESTING RISKS

2.1 Risks

ID	Risk Description	Prob.	Impact	Mitigation Contingency Plan
R1	Shipt test Lab needs to be fully functional and available for development and testing	H	H	Prepare an additional devices instance for redundancy
R2	All device models in the project scope are available in Shipt Lab	H	H	Order the equipment as early as possible.
R3	Delays in testing schedule will occur if Entrance and Exit Criteria, including upstream deliverables, for any of the tests not fully met on time	H	H	Active tracking and follow up to ensure Entrance and Exit Criteria are met on time
R4	Late delivery of code	H	H	Monitor the delivery time. Prepare prerequisite for test execution before code delivery and build installation.
R5	Absence of the timely deployment of integration test environment	H	H	Planning of test environment in advance

3 TEST OVERVIEW

3.1 Overall Test Approach

Test Phase Name	Description	Responsibility
Unit testing	The developer typically carries out this phase of testing on a stand-alone basis directly in the development/developers environment.	Shipt developer
Test Strategy definition	The strategy should be developed in a manner that will achieve the greatest efficiency without a loss in quality.	Shipt QA Lead
Test Plan Preparation	Test Plan contains detailed description of the tests to be performed and the sequence in which they will be performed. The Test Plan is based on Test Strategy and takes into account specific Test Cases	Shipt QA Lead
System Smoke Test	After test package is assembled QA performs installation onto testing environment and performs high level testing of system functionality.	Shipt Test Team
Test Cases developing	Test Cases describe step-by-step testing instructions for tests to be executed. It is important that these cases should be explicitly based on the design specifications documents which are in its turn mapped back to original business and functional requirements	Shipt Test Team
Testing Documentation review	Test Plan and Test Cases are specified and reviewed during the product configuration phase of the Project after requirements have been gathered and design specifications created and approved. Test Plan is executed after completion of Solution Configuration	Shipt QA Head Shipt QA Analyst
System Test	Perform Shipt Solution Test as defined in Test Strategy and Test Plan based on Test Cases developed.	Shipt Test team
Test Results	Address test failures with issues resolution plan and delivery of defects fixing patches	Shipt QA Lead Shipt PM
System Regression Test	Agreed scope of regression tests regarding Product Functionality and any custom functionality which should be performed	Shipt Test Team

3.2 Defects Prioritization

Defect: discrepancy between how requirements are defined and what is implemented. Each defect has Priority to simplify process of classification defects and tracking of fixes from development. Priority is common character of a defect.

No.	Priority	Description
	LG	The entire application(s), components or business functionality does not work, and no bypass is available. Testing cannot proceed.
	Blocker	Significant Impact on Testing Solution. The issue blocks review of 25% or more Test Cases and no work-around exist. Certain steps of the Test Case cannot be executed at all. An urgent patch is required as it is important to the functionality being delivered.
	Critical	The issue blocks review of less than 25% of Test Cases, or workaround exists. It could also be an issue which prevents the execution of multiple test cases and/or significant impairs the ability to perform testing. Patch is required.
	Major	<p>Patch needs to be on high priority as it is required to be in the release.</p> <p>It could also be an issue which prevents the execution of at least one test case and/or has some impact upon the testing schedule. QA specialist can proceed to perform testing for not affected Test Cases.</p>
	Medium	<p>Patch is required but has lower priority than defect above.</p> <p>A defect which hinders testing, but does not prevent the continued execution of test cases and does not impact upon the testing schedule.</p>
	Minor	<p>Patch that is not required to deliver this release but still needs to be fixed for future releases.</p> <p>An issue which has no adverse impact upon testing, describes a discrepancy between actual and expected test results, but does not prevent performing Test Cases. The issue does not have any noticeable impact on Solution functionality.</p>

4 DEVELOPMENT INTEGRATION TESTING

Integration testing is testing carried out by developers to expose defects in the interfaces and interactions between integrated units or larger application components and possibly the interfaces to other applications.

4.1 Development Integration Test Approach

The developer typically carries out this phase of testing on a stand-alone basis directly in the development/developers environment.

Examples of tests to be included at this level are basic input/output functions, internal error handling, boundary validation, validation of program logic etc.

Entry Criteria	
<ul style="list-style-type: none">• Coding of modules targeted for integration test is completed• Code review is done, all issues are resolved• Unit test is done, coverage and results are reviewed• Integration environment realistically reflects production environment. If not, it is realistically simulated.• Code is installed according to documented Installation and Configuration Instructions• Dev Lead and QA Lead defined a subset of Functional test cases to be executed by Dev as part of Integration test	
Exit Criteria	
<ul style="list-style-type: none">• All planned test cases are successfully executed• No LG, blocker or critical defects left unfixed	

5 FUNCTIONAL TESTING

Functional testing is testing carried out by the QA roles based on analysis of the specifications of the functionality; it ensures the delivered application meets those specifications.

5.1 Functional Test Approach

Tests to ensure that the system is fully operational, and it corresponds to the signed off requirements and design specifications documents.

Testing is performed in several cycles, 3 cycles in this case:

Cycle I – testing of build delivered internally to the QA team. All found defects will be logged according to accepted internal process. The date of internal delivery with fixes should be scheduled in conference with the Project Manager and Dev Lead, taking into account external date of the delivery.

Engineering build should be used for testing.

Cycle II – testing after all the found defects are fixed according to priorities and the fixes are delivered to internal Quality Assurance. The date of internal delivery with fixes should be scheduled in conference with the Project Manager and Dev Lead, taking into account external date of the delivery.

Engineering build should be used for testing.

Cycle III – all the defects are fixed, code will not be changed anymore, no new fixes accepted. Smoke test after merge in will be performed.

5.2 Regression Testing

Agreed scope of regression tests regarding Product Functionality and any custom functionality which should be performed. It includes check of proper functionality of all parts of Web App.

Feature will be tested on all branches including release branches. Regression test will be performed by platform teams.

5.3 Functional test Environment

MacBook Pro Retina 15, MacOS 10.13.4 and others from scope of devices.

5.4 Functional test Entry and Exit Criteria

Entry Criteria
<ul style="list-style-type: none">• Successful completion of Dev Unit and Integration tests• Installation and Configuration Instructions• Build created by Configuration Manager
Exit Criteria
<ul style="list-style-type: none">• All planned test cases are executed in target environment• No Outstanding LG/Blocker/Critical defects – all fixed and verified by QA• All Outstanding Major defects are reviewed

6 NON-FUNCTIONAL TESTING

Reliability testing of an application ensures it meets reliability requirements, such as power and network outages, failure and recovery of certain system components and longevity and robustness aspects.

Performance testing of an application ensures it meets performance requirements, such as response time and batch windows, under user-specified expected transaction and data loads.

6.1 Non-Functional Testing Approach

Stress testing determines the ability of the application to process volumes beyond those known or expected, and in production environment conditions

Volume testing determines the ability of the application to process expected production volumes under defined production environment conditions, including expected peak loads.

6.2 Non-Functional Testing Environment

MacBook Pro Retina 15, MacOS 10.13.4 and others from scope of devices.

6.3 Non-Functional Testing Entry and Exit Criteria

Entry Criteria
<ul style="list-style-type: none">• Successful completion of Dev Unit and Integration tests• Successful completion of certain parts of Functional tests
Exit Criteria
<ul style="list-style-type: none">• All planned test cases are executed in target environment• No Outstanding LG/Blocker/Critical defects – all fixed and verified by QA• All Outstanding Major defects are reviewed

7 TEST DELIVERABLES

7.1 Internal deliverables

The following are the Internal Quality Assurance Deliverables:

- Test Plan(This document). The Test Plan defines the overall scope of works for all test stages. Test strategy is also defined by Test Plan
- Test Scenarios will identify the different test cases that need to be executed to validate this project functionality. Test scenarios should be stored on Tarantula.
- Full list of defects found (jira report)
- Test Summary Report which contains a copy of test results for all executed test cases.

7.2 External deliverables

The following are the External Quality Assurance Deliverables:

- List of critical defects found
- Test Scenarios list which contain detailed description of preconditions and test steps
- Test Summary Report which contains a copy of test results for all executed test cases with test case titles and short description.

8 TEST SCHEDULE

8.1 Activity and Effort Schedule

Task(s)	Start Date	Completion Date	Accountable Resource	Time (In Work Days)	Comments
Planning and Preparation	11/21/2017	11/21/2017		<Insert estim'd # of days>	
Create MTP	11/21/2017	11/21/2017	John Doe		
MTP Review & Sign-Off	11/21/2017	11/21/2017	John Doe		
Test Environment Preparation	11/21/2017	11/21/2017	John Doe		
Test Data Preparation	11/21/2017	11/21/2017	John Doe		
Test Cases Preparation	11/21/2017	11/21/2017	John Doe		
Test Cases Review & Sign-Off	11/21/2017	11/21/2017	John Doe		
Functional / System Integration Test Execution					
Cycle 1					
Cycle 2					
Cycle 3					
Test Results Review and Sign-off					
Non-Functional Testing					
Test Execution					
Test Results Review and Sign-off					
User Acceptance Testing					
Test Cases Preparation					
Test Execution					
Test Results Review and Sign-off					