Test Plan for project "example.com"

Created by:
Created on:

Introduction:

This test plan is intended to structure information about the methods and procedures that will be used by the QA team to test the product's functions, features, usability, and design.

The plan can be used as a guide for selecting test methods, for test implementation and test execution.

The objective of the testing activities is to check functions and features of a software product developed for web browsers (Chrome, Firefox, Edge, Safari).

This Test Plan document for the "Example" project supports the following objectives:

● Identify existing project information and software components to be tested.
● Recommendation and description of the testing strategies to be employed.
● Identify required resources and provide a test effort estimate
● List the test project deliverable elements

The results of test execution will be sent to the customer as reports. All found bugs will be tracked using the Jira bug tracker.

References:

Requirements	https://confluence.example.com/...
Prototype/mockups	https://www.figma.com
Site	example.com

Test Items:

General functionality of the site, according to requirements:	
	• Profile creation and editing
	• Guest profile functionality
	• Garage functionality
	• Managing of fuel expenses
	• Settings
	• Instructions
UI elements and usability according to mockups and descriptions:	

	• Design of main page and tabs
	• Design of elements
	• Fonts
	• Content

Features to be tested:

	Functional
1	Registration
2	Log in
3	Restore password feature
4	Remember me feature
5	Adding cars
6	Editing cars
7	Removing cars
8	Adding an expense
9	Mileage update
10	Fuel expenses table
11	Car instructions for all brands&models
12	Settings
13	User profile editing
14	Log out
15	Remove account feature
16	Search instructions feature
17	Currency settings
18	Units of distance settings
19	Change email feature
20	Change password feature

	Non-Functional
1	UI/UX Contacts (social media icons+redirect)
2	UI Logo
3	UI/UX Header of Main page
4	UI/UX Header of Profile
5	UI Footer of Main Page
6	UI Footer of Profile

7	UI of Sign up/in/Forgot the password form
8	UI of all tabs
9	UX Browser Autofill feature
10	UX Field switching wia tab key
11	UX Browser "Go back" feature (arrow)
12	UI of the "Add an expense" form
13	UI/UX Navigation bars
14	UI Strings
15	UI/UX Dropdowns
16	UX Paginators
17	UI of Edit car form
18	UI of User profile edit form

Features not to be Tested:

Third party system integration.
Database.
Mailsender

Approach:

Manual testing of a software product (site).	
Level:	System testing
Method:	Specification-based (Black box)
Types:	• Functional
	• Non-Functional
	• Dynamic
	• Positive
	• Negative
Technics:	• Boundary-value analysis
	• Equivalence Partitioning
	• State Transition
	• Decision Table
	• Pairwise
Metrics:	• Number of test cases
	• Requirements coverage
	• Traceability

	• Number of executed tests
	• Number of not executed tests
	• Number of defect reports
	• Number passed tests
	• Number failed tests
Tools&Services:	• Issues tracking system
	• Bug tracking system
	• Test management tool
	• Platforms emulators
	• Log collector tool

Item Pass/Fail Criteria:

Entry Criteria:	● Development of software product completed.
	● Requirements and specifications creation finished and approved by responsible persons
	● Availability of necessary devices, tools, licenses and other equipment.
	● The requirements are well-known to the quality assurance team
	● Test environment is available and ready for use.
Pass Criteria:	● Expected result of all test cases and checklists has been reached
Fail Criteria:	● More than 30% of failed tests
Exit Criteria:	● All requirements has been covered with tests
	● All planned tests has been executed
	● All defects of high priority have been fixed.
	● The test results were evaluated, discussed and approved

Suspension Criteria and Resumption Requirements:

Suspension Criteria:
• Unavailability of external dependent systems during execution.
• When a defect is introduced that cannot allow any further testing.
• Critical path deadline is missed so that the client will not accept delivery even if all testing is completed.
• A specific holiday shuts down both development and testing.
• Any other situation that prevents testing activities
• If testing is no longer necessary.

Resumption Criteria:
• When the external dependent systems become available again.

• When a fix is successfully implemented and the Testing Team is notified to continue testing.
• The contract is renegotiated with the client to extend delivery.
• The holiday period ends.

Test Deliverables:

Test deliverables is obtaining the following documents:
• Test Plan
• Test Cases
• Requirements traceability matrix
• Test summary report

Environmental Needs:

OS	
Windows (version 7 and up)	
MacOs (version 10.13 and up)	
Android (version 8 and up)	
iOS (version 12.5.5 and up)	
Software	
Browsers	1.Chrome last
	2.FF last
	3.MS Edge last
	4.Safari last
Tools	Jira(Premium acc)
	Confluence 7.17
	Zephyr 6.2.11
	Microsoft Office 2019 Professional Plus(64)
Other	ESET NOD32(15.0.23.0)
Hardware	
Mobile	Samsung Galaxy S21 Ultra
	Apple iPhone 13
	Xiaomi Mi 11 Ultra
	OnePlus 9
Tab	Samsung Galaxy Tab A7
	Apple iPad Pro 11 2021 Wi-Fi
	Lenovo Tab P11 TB-J606F
Laptop	macbook pro m1 13
	Apple Macbook pro m1 13(Core I5/16gb ram

	LENOVO IdeaPad 5 15ITL05(Core i7/16gb

Staffing and Training Needs:

Security testing
Penetration testing
Performance testing
Automated testing

Responsibilities:

Responsibilities	Person
Setting risks	QA Team Lead
Selecting features to be tested and not tested.	QA Team Lead
Provides the required training	QA Team Lead
Main page implementation Test case creation	QA1
Main page testing	QA2
Profile implementation:Test case creation	QA3
Profile testing	QA4
User garage page implementation Test case creation	QA5
Garage testing	QA6
Fuel expenses implementation Test case creation	QA1
Testing Fuel expense	QA2
Setting page implementation Test case creation	QA3
Testing Settings page	QA4
Header implementation Test case creation	QA5
Testing Header	QA6
Instructions page implementation Test case creation	QA1
Testing instructions	QA2
E2E test case creation	QA3
E2e test execution	QA4

Schedule:

Create the test specification	Test Designer 170 man-hour
Perform Test Execution	Tester, Test Administrator 80 man-hour
Test Report	Tester 10 man-hour
Test Delivery	20 man-hour
Total 280 man-hour	

Risks and Contingencies:

Risk	Mitigation
Team members lack the required skills for website testing.	Plan training course to skill members up
The project schedule is too tight; it's hard to complete this project on time	Set Test Priority for each of the test activity
Test Manager has poor management skill	Plan leadership training for manager
A lack of cooperation negatively affects your employees' productivity	Encourage each team member in his task, and inspire them to greater efforts.
Wrong budget estimate and cost overruns	Establish the scope before beginning work, pay a lot of attention to project planning and constantly track and measure the progres

Approvals:

Tech Lead:
Team Lead:
Test Plan author: