IEEE829-Test-Plan

Tesla

www.tesla.com

TEST PLAN

Draft

Project team:
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1. Test Plan Identifier

Website www.tesla.com

Note: The structure of this document is created in accordance with the IEEE 829-1998 standard for test documentation.

2. Introduction

The purpose of this test plan is to describe the testing process for the website www.tesla.com. This document provides an overview of the testing activities for the project. It is intended for the testing team to understand the nature of the upcoming work, analyze it, and break it down into subtasks.

3. Test Items

The website www.tesla.com is the website of the electric vehicle manufacturer, designed for exploring car models, solar energy devices, accessories, and other Tesla products. The website allows users to place orders and make payments. It includes features such as user registration, test drive booking, default registration and login functionality, product and service browsing, shopping cart management, and trip planning with consideration for charging stations. It also provides product usage instructions and assistance for Tesla products.

4. Features To Be Tested

The following list represents the necessary features to be tested:

1. User registration.
2. Authorization.
3. Functionality of all components.
4. Online store functionality.
5. Site search.
6. Plan My Trip feature.
7. Browser compatibility.

5. Features Not To Be Tested

The following list represents features that will not be covered in this test plan due to resource limitations:

1. Load testing.
2. Security testing.

6. Approach

The testing of the Tesla company website will involve dynamic testing based on documentation. The testing process is planned in three stages. The first stage involves creating a checklist of functions to be checked. During the second stage, functional testing will be conducted, including smoke testing and sanity testing based on correct user interaction scenarios with the application.
The third stage will include tests to determine the application's ability to handle specific loads and a series of negative tests.
Testing is planned to be conducted manually, without the use of automated systems. To reduce the number of tests, equivalence class partitioning and Pairwise techniques will be used.

7. Item Pass/Fail Criteria

The testing process is considered complete under the following conditions:

1. All tests pass successfully.
2. A specified percentage of test cases contains a certain number of defects.
3. Test coverage has been reviewed and is deemed sufficient.

8. Suspension Criteria And Resumption Requirements

Testing is suspended if:

1. The number of defects reaches a point where further testing is meaningless.
2. A critical error occurs when launching the application.
3. The testing environment is not available.
Testing will be resumed once the cause of the failure is resolved.

9. Test Deliverables

1. Test Plan
2. Checklist
3. Test Cases
4. Bug Reports

10. Environmental Needs

List of operating systems for verifying the opening of files created in Notepad:

- Windows 10

11. Responsibilities

	Sergei Osipov	Elon Musk
Test Plan	X	
Checklist	X	
Test Cases		X

12. Schedule

Milestone Task	Effort	Start Date	End Date
Test Plan	1 person/hours	20.01	26.01
Checklist	1 person/hours	20.01	22.01

Test Cases	2 person/hours	22.01	28.01

13. Approvals

Team Leader - Sergey Osipov	
Test Manager - Elon Musk	