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**Group 05**

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**Sneaker Sales Website  
Iteration Test Plan**

**Version 1.1**

Sneaker Sales Website	Version: 1.1
Iteration Test Plan	Date: 13-Dec-2019
Group 05	

## Revision History

Date	Version	Description	Author
13-Dec-2019	1.0	Initial Version	Nguyễn Phạm Quang Định
20-Dec-2019	1.1	Update	Phạm Khánh Duy

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# Iteration Test Plan

## 1. Introduction

### 1.1 Purpose

This document describes the plan for testing the architectural prototype of the Sneaker Sales Website. This Test Plan document supports the following objectives:

- Identify existing project information and the website components that should be tested.
- List the recommended Requirements for Test.
- Recommend and describe the testing strategies to be employed.
- Identify the required resources and provide an estimate of the test efforts.
- List the deliverable elements of the test project.
- Everyone in the team should use this Test Plan for further Test Case and Test Report preparation.

## 2. Target Test Items

### 2.1 Database.

- Verify access to Sneaker Sales Website Database.
- Verify simultaneous record read accesses.
- Verify correct retrieval of update of database data.

### 2.2 Functionality.

- Verify that Login function work.
- Verify that Search function return correct products.
- Verify that Filter show the right products.
- Verify that Customer can view and manage shopping cart.
- Verify that Admin can manage the orders.
- Verify that Check out and purchase work.

### 2.3 Usability.

- Navigate through the website and verify that the website has a user friendly interface.
- Verify that the website is clearly and easy to understand to use.

### 2.4 UI.

- Verify that the website has a suitable layout.
- Verify that the website has a good design:
  - Color pattern.
  - Image size and style.
  - Button and menu style and size.
  - Font type and size.

### 2.5 Compatibility.

- Verify that the website work on varieties Internet Browser and Operating System.

### 2.6 Performance.

- Verify system response when loaded with 5 logged on students.
- Verify response time when connected using LAN cable network.
- Verify response time when connected using wifi network.
- Verify response time when connected using 4G LTE network.

### 2.7 Security.

- Verify that normal user can not access admin functionality.
- Verify that user can only login using the corrected username and password.

## 3. Environmental Needs

This section presents the non-human resources required for the Test Plan.

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### 3.1 Hardware Requirements

- Laptops with a x86\_64 CPU, 8Gb RAM, support Operating Systems that list in the section below.
- Smartphone support at least iOS 12 and Android 9.
- Required Internet Connection(Cable, Wifi or 4G LTE).
- Database requires a midrange server with a x86\_64 CPU and 8Gb of RAM, that we would use laptop for convenient.
- All hardware requirements, as stipulated in the Vision Document and Software architecture document must be taken into consideration.

### 3.2 Software in the Test Environment

The following base software elements are required in the test environment for this *Test Plan*. All software requirements, as stipulated in the Vision Document and Software architecture document must be taken into consideration.

Software Name	Purpose	Version	Type and Other Notes
iOS	Test website on iOS	12.4	Operating System
Android	Test website on Android	9	Operating System
Mac OS X	Test website on Mac OSX	10.14.6	Operating System
Windows 10, 64 bit	Test website on Windows	1909(lastest)	Operating System
PostgreSQL	Review Website database	12.1(lastest)	Database
Firefox	Test website support Firefox	70.0 (lastest)	Internet Browser
Google Chrome	Test website support Google Chrome	79 (lastest)	Internet Browser

### 3.3 Productivity and Support Tools

The following tools will be employed to support the test process for this *Test Plan*.

Tool Category or Type	Tool Brand Name	Vendor or In-house	Version
Defect Tracking	MS Excel 2010	MS	2010
Automated Test Tool			

## 4. Responsibilities, Staffing, and Training Needs

### 4.1 People and Roles

This table shows the staffing assumptions for the test effort.

Human Resources		
Role	Minimum Resources Recommended (number of full-time roles allocated)	Specific Responsibilities or Comments
Test Manager	1 (Sneaker Sales project manager)	Provides management oversight. Responsibilities include:

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		<ul style="list-style-type: none"> <li>• planning and logistics</li> <li>• agree mission</li> <li>• identify motivators</li> <li>• acquire appropriate resources</li> <li>• present management reporting</li> <li>• advocate the interests of test</li> <li>• evaluate effectiveness of test effort</li> </ul>
Tester Designer	1	<p>Identifies, prioritizes, and implements test cases</p> <p>Responsibilities include:</p> <ul style="list-style-type: none"> <li>• generate test plan</li> <li>• generate test case</li> </ul>
Tester	2	<p>Implements and executes the tests.</p> <p>Responsibilities include:</p> <ul style="list-style-type: none"> <li>• implement tests and test suites</li> <li>• execute test suites</li> <li>• log results</li> <li>• analyze and recover from test failures</li> <li>• document incidents</li> </ul>
Test System Administrator	1	<p>Ensures test environment and assets are managed and maintained.</p> <p>Responsibilities include:</p> <ul style="list-style-type: none"> <li>• administer test management system</li> <li>• install and support access to, and recovery of, test environment configurations and test labs</li> </ul>
Database Administration / Database Manager	1	<p>Ensures test data (database) environment and assets are managed and maintained.</p> <p>Responsibilities include:</p> <ul style="list-style-type: none"> <li>• Administer test data (database)</li> </ul>