**Software Requirements Analysis Document**

Project: Online Store for Shoes Company

**Purpose**

The purpose of this document is to analyze and understand the requirements for the OSSC (Online Store for Shoes Company) project. This includes an introduction of the desired product, descriptions, and system features and requirements.

**Audience**

The audience of this document is the project team and the stakeholders for the product. The development team will interact with this document to understand the scope of the project and work accordingly. The requirements desired by the stakeholders are summed up in the following sections. The document is intended to keep the team on track to avoid scope creep during the development process.

**Revision History**

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| **Revision** | **Date** | **Updated By** | **Update Comments** |
| 1.0 | 2022.11.16 | Lydia Manu | Initial document creation |
| 2.0 | 2022.11.16 | Lydia Manu | First Draft |
| 3.0 | 2022.11.21 | Bryan Banuelos, Lydia Manu, Nolan Brown | First Review Stage |
| 4.0 | 2022.11.30 | Bryan Banuelos, Lydia Manu, Nolan Brown | Final Revisions |
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**1. Introduction**

This section is intended to describe the overall purpose of this project. The purpose, audience, use, and scope for the online store are detailed below. The goal is to create a product that is functional and satisfies all the stakeholder requirements.

1.1 Purpose

The purpose of the product is to create an online store open to customers. The shoe company can expand its revenue through this online platform by allowing the user to see available shoes and purchase these when desired. The online store will communicate with the company’s database to store these purchases and information regarding the process.

1.2 Intended Audience

The intended audience for the online store is customers and the company. Customers will be allowed to visit the website and interact with the functionalities provided. The shoe company itself will be able to use the product to release information about their products and see information regarding the customer.

1.3 Intended Use

Customers will be able to go online and view the store’s products. They can see information about shoes and have the option to check-out and purchase these items. This way, the customer can buy shoes without visiting the store directly. As for the company, customer information and purchases are documented in the database to ensure prompt delivery of the shoes. The company can update the website to give the most recent information about the store. Overall, this website and database will work as a tool for the company to increase accessibility and revenue.

1.4 Scope

This product will include a functional website created using HTML, CSS, and PHP. The database to hold information will be created using MySQL. The website will allow for a viewing page for the customer to see shoe information. A user option to sign in will be provided so that customers can log in and save billing information. A query bar will allow the customer to search for shoes depending on color, size, and type of shoe. The user will be able to check-out and make purchases. These orders will then be documented and updated on the database.

**2. Overall Description**

The main users of the product will be customers and the shoe store. As for assumptions and dependencies of the project, much of these are depended on the development team. Many of the resources will be provided by the members themselves. The development process is agile-based and will reflect Scrum methodology. Further information on the user needs, assumptions, and dependencies is provided below.

2.1 User Needs

There will be two types of users, customers and guests. Users will be able to see the available shoes in stock for the store. Customers will be able to log in and have their billing and shipping information saved for a faster checkout. Likewise, guests will be able to check out items and make purchases however billing and shipping information will not be saved or preloaded. Therefore, a manual input of the information will need to be required.

The main users of the website will be people who seek to browse or purchase shoes from the store. Additionally, employees and management can create changes or update the site to effectively display stock items for their customers.

2.2 Assumptions and Dependencies

Some assumptions concerning the project are related in this paragraph. For resources, each member of the development team is required to provide materials (computers, paper, power, etc.). Online web sources are used with approval from the provider itself. As for budget, this project will be free unless a change of the budget is proposed by the group. No funding will be needed, but in case, the team will fundraise for the money needed. Scope is assumed to be absolute unless a change is proposed and agreed upon by the entire team. Schedules and meetings will be performed in person and online using Zoom or Microsoft teams. The project itself will follow Scrum methodology. Overall, the team will adhere to the agreed upon requirements and guidelines. As for technology, personal computers will be used and applications like MySQL and languages such as HTML, CSS, and PHP are intended to develop the product.

**3. System Features and Requirements**

The functional and non-functional requirements provided by the stakeholder are listed underneath. The development team will incorporate all these functionalities. If there needs to be any changes to these main requirements, conversations with stakeholders will be held and recorded accordingly.

3.1 Functional Requirements

The major functionalities and descriptions of the product are described in the below points:

* + A database which contains the shoe information (shoe ids, type of shoes (loafers, sandals, running shoes, etc.), quantity in stock, size, price, color, etc.).
    - This database should be fully implemented.
  + A customer account section offshoot of the database so that frequent customers can log in and save all their billing and shipping information for quick checkout.
    - This part will NOT be fully implemented
  + Users can also checkout as guests. The guest checkout should be implemented.
  + The site should be easy to navigate and searching for shoes should be easy by size, color, or type of shoes. You may choose whether a pair of shoes that is out of stock shows as out of stock or is not shown at all.
    - This should be fully implemented.
  + Users should be able to add a pair of shoes to the shopping cart. Ideally, they should be able to select a quantity.
    - The quantity does NOT have to be implemented. The rest should be implemented. Just make sure that when they add an item to the cart a quantity of 1 is added.
  + A customer must be able to view their cart and checkout.
    - This must be implemented.
  + In addition, a user should be able to update quantities of items in their cart including removing the item altogether.
    - This part does NOT have to be implemented.
  + When the user clicks to check-out on their cart page all the billing and shipping info should be collected from the user.
  + Remember, many times a user has the same billing and shipping information and so you should have a way for them to just enter it once if it is the same.
    - This part must be fully implemented.
  + When a place order button is clicked (after all their info is in) the database should be updated by having the item quantities decremented.
    - This must be fully implemented.

3.2 Nonfunctional Requirements

1. Usability – The product will be functional and usable for the users to see available shoes and checkout items accordingly
2. Manageability – The company will be able to manage the type of items displayed on the website and access the orders of customers to ship the shoes on time
3. Data Integrity – Customer log-in and billing and shipping information will be protected by the company and will not be sold to third parties. Username and password checks will be in place to ensure the identity of the user
4. Reliability – Tests and quality checks will be implemented to provide a product that is functional and without failure