PROJECT DOCUMENTATION

**PRODUCT DESCRIPTION**

| **Project:** | **E-Commerce Website for Skanda.** |
| --- | --- |
| Release: | April 2022 |
| Date: | 15th February 2022 |
|  |  |
| **PRINCE2** |  |
|  |  |
| Author: | S. K. Helani Sihara Jayawardena  (Scheduling Manager),  M. Sonali Silva (Start-up Manager) |
| Owner: | Dr Yasas Jayaweera (Project Executive) |
| Client: | SKANDA by Sarasi Samarasundara. |
| Document Ref: | ProductDescription\_SKANDA |
| Version No: | 1.0 |

# 1 Product Description History

## 1.1 Document Location

This document is only valid on the day it was printed.

The source of the document will be found on the project's PC in the location

## 1.2 Revision History

**Date of this revision: 02/16/2022**

**Date of Next revision:**

| **Revision date** | **Previous revision date** | **Summary of Changes** | **Changes marked** |
| --- | --- | --- | --- |
| 02/16/2022 |  | First issue |  |

## 1.3 Approvals

This document requires the following approvals.

Signed approval forms are filed in the Management section of the project files.

| **Name** | **Signature** | **Title** | **Date of Issue** | **Version** |
| --- | --- | --- | --- | --- |
| Dr Yasas Jayaweera |  | Project Board | 02/17/2022 | 1.0 |
| Adithya Narasinghe |  | Project Manager | 02/17/2022 | 1.0 |
| Mrs. Sarasi Samarasundara |  | Client | 02/17/2022 | 1.0 |

## 1.4 Distribution

This document has been distributed to

| **Name** | **Title** | **Date of Issue** | **Version** |
| --- | --- | --- | --- |
| Adithya Narasinghe | Project Manager | 02/17/2022 | 1.0 |
| M. Sonali Silva | Start-up Manager | 02/17/2022 | 1.0 |
| J. M. Pasindu Lawantha Bandara | Quality Manager | 02/17/2022 | 1.0 |
| Madapathage Don Kanishka Gimhan | Risk Manager | 02/17/2022 | 1.0 |
| S. K. Helani Sihara Jayawardena | Scheduling Manager | 02/17/2022 | 1.0 |

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# Post-Project Review Plan

## 3 Purpose

The product description emphasises the unique approaches used to achieve the quality level and productivity of the system once it has developed. Furthermore, this document provides a clear perspicuity into the product's structure, intention, and capabilities. Moreover, this document assists the team and the appropriate parties to place everything along with the quality and performance they require. On the other hand, this document proceeds to explain the accountable qualified professionals who may perform unique tasks and evaluate the interests in numerous places for their expertise.

## 4 Composition

The plan includes a full description of the project and the development process.

A website with an admin dashboard, user manual, AI-based chatbot, and payment gateway is included in the delivery.

Functionalities of the Project:

**Web application (Front-End)**

* Create User Account
* View Products
* Make Online Payments
* Purchase Product
* AI-based Chatbot
* Search for products
* Change Account Settings
* View and Manage Shopping Cart

**Admin Panel**

* Add Products
* View Products
* View and Manage Orders
* Manage Categories
* Change Account Settings
* Edit/delete/update products
* Update availability of products

## 5 Derivation

There are no root products or outdated systems on the client's end. As a result, the customer was given precise specifications that had to be tailored to the client's specific requirements. Nevertheless, other open source and free license libraries are included in deliverables along with tools required to use them for program delivery.

## 6 Format and Presentation

The solution is displayed as a website that has been installed on a web server. The website will be designed using user-friendly interfaces.

## 7 Allocation

The project team consists of five individuals. The five major roles are project manager, schedule manager, start-up manager, risk manager, and quality manager. Adithya Narasinghe is the project manager of the team who holds the responsibility to acquire the success of the project. S. K. Helani Sihara Jayawardena is the scheduling manager of team SKANDA who is responsible for coordinating the schedule strategy to accomplish the project's milestones, M. Sonali Silva is the start-up manager who is responsible for engaging with both the client and the team to achieve the project's milestones while meeting the client's requirements effectively, Madapathage Don Kanishka Gimhan, the risk manager, is responsible for identifying possible risks that may occur that can have an impact on the project and help the team to mitigate and overcome them, M. Pasindu Lawantha Bandara, the project's quality manager, will conduct testing and improve the project's overall quality. Aside from these core roles, Adithya Narasinghe, M. Pasindu Lawantha Bandara, Madapathage Don Kanishka Gimhan will also act as project developers while S. K. Helani Sihara Jayawardena & M. Sonali Silva will be handling the documentation.

## 8 Quality Criteria

* The system should completely meet all the client requirements.
* All components of the system should function properly.
* The system should be easy to use & navigate.
* The system should be usable with a minimum IT literacy.
* The system should be fast and usable even on mobile devices.
* The system should have a minimum downtime.
* The AI-powered chatbot should function properly.
* The system should be able to trace transactions from start to end.

## 9 Quality Method

The following criteria will use to evaluate the project's effectiveness:

* Evaluate the website's content for errors and modifications.
* Maintain user-friendly interfaces on the website by including styles that fit the theme to attract more customers.
* Obtain feedback from the client and consumers for further modifications of the website.
* Maintain high security for all obtained data from consumers and, all gathered data will be stored in a protective database.
* To ensure platform usability, conduct tests on multiple operating systems and screen sizes.
* Conduct unit tests to verify that the functions(chat bot, spinning wheel, search-bar, etc…) operate properly.
* Review and ensure the format of all project-related documents.
* To determine if the text of the application is grammatically correct and provides the proper meaning to the user.

## 10 Quality Check Skills Required

The project developers will unit test each functionality as they work on the project. The quality manager, J. M. Pasindu Lawantha Bandara, will do the final evaluation of the SKANDA e-commerce website. Knowing customer needs, developing client stories and maintaining documents, and the required test cases, are all skills that will assure project’s success. Selenium may be used as an interface testing framework to improve user functionality if the Quality Manager has the time. Also, data testing with the client would be necessary throughout the appraisal stage.