Cake Shop

Version <1.0>

Revision History

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
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# Introduction

[The purpose of this document is to collect, analyze, and define high-level needs and features of the <<System Name>>. It focuses on the capabilities needed by the stakeholders and the target users, and **why** these needs exist. The details of how the <<System Name>> fulfills these needs are detailed in the use-case and supplementary specifications.]

[The introduction of the **Vision** document provides an overview of the entire document. It includes the purpose, scope, definitions, acronyms, abbreviations, references, and overview of this **Vision** document.]

## Purpose

[Specify the purpose of this **Vision** document**.**]

## Scope

[A brief description of the scope of this **Vision** document; what Project(s) it is associated with and anything else that is affected or influenced by this document.]

## Definitions, Acronyms, and Abbreviations

[This subsection provides the definitions of all terms, acronyms, and abbreviations required to properly interpret the **Vision** document. This information may be provided by reference to the project’s Glossary.]

## References

[This subsection provides a complete list of all documents referenced elsewhere in the **Vision** document. Identify each document by title, report number if applicable, date, and publishing organization. Specify the sources from which the references can be obtained. This information may be provided by reference to an appendix or to another document.]

## Overview

[This subsection describes what the rest of the **Vision** document contains and explains how the document is organized.]

# Positioning

## Problem Statement

[Provide a statement summarizing the problem being solved by this project. The following format may be used:]

|  |  |
| --- | --- |
| The problem of | crowdedness in the cake shops |
| affects | customers and cake shop owners |
| the impact of which is | unsatisfied customers and unprofitable businesses |
| a successful solution would be | transferring the customer experience in an online environment |

## Product Position Statement

[Provide an overall statement summarizing, at the highest level, the unique position the product intends to fill in the marketplace. The following format may be used:]

|  |  |
| --- | --- |
| For | cake shop owners |
| Who | need to maintain their business profitable |
| The (product name) | is an e-commerce application focused on cake shops |
| That | ease the overall management of a cake shop |
| Unlike | the traditional shops |
| Our product | engages customers in a much easier ordering experience and increases the efficiency in a cake shop |

[A product position statement communicates the intent of the application and the importance of the project to all concerned personnel.]

# Stakeholder and User Descriptions

[To effectively provide products and services that meet your stakeholders’ and users' real needs, it is necessary to identify and involve all of the stakeholders as part of the Requirements Modeling process. You must also identify the users of the system and ensure that the stakeholder community adequately represents them. This section provides a profile of the stakeholders and users involved in the project, and the key problems that they perceive to be addressed by the proposed solution. It does not describe their specific requests or requirements as these are captured in a separate stakeholder requests artifact. Instead, it provides the background and justification for why the requirements are needed.]

## Stakeholder Summary

[There are a number of stakeholders with an interest in the development and not all of them are end users. Present a summary list of these non-user stakeholders. (The users are summarized in section 3.2.)]

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Responsibilities** |
| Supplier | The person who ensures the ingredients for the cakes. | Will ensure that the ingredients are available. |
| Customer | The person who buys the cakes. | Will purchase products from the cake shop. |
| Admin | The person who manages the application. | Will manage the sales, ingredients, users and details. |

## User Summary

[Present a summary list of all identified users.]

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Responsibilities** | **Stakeholder** |
| [Name the user type.] | [Briefly describe what they represent with respect to the system.] | [List the user’s key responsibilities with regard to the system being developed; for example:  captures details  produces reports  coordinates work  and so on] | [If the user is not directly represented, identify which stakeholder is responsible for representing the user’s interest.] |
| Admin | The user who manages the cake shop. | coordinates work; confirms orders; supervises the availability of the products and ingredients; | Website administrators |
| Bakers/Suppliers | The users who are responsible for creating and preparing the cakes and other baked goods sold at the shop. | supplies products; | Bakery Service |

## User Environment

[Detail the working environment of the target user. Here are some suggestions:

Number of people involved in completing the task? Is this changing?

How long is a task cycle? Amount of time spent in each activity? Is this changing?

Any unique environmental constraints: mobile, outdoors, in-flight, and so on?

Which systems platforms are in use today? Future platforms?

What other applications are in use? Does your application need to integrate with them?

]

The cake shop application is primarily designed for use in an indoor, office-like environment. However, some employees may need to use the application on a mobile device, such as a tablet or smartphone, when they are taking orders or serving customers in the shop. It is also possible that some employees may need to access the application remotely, for example, when they are working from home.

The cake shop application is developed using Java Spring Boot, which is a platform-independent framework. This means that it can run on any platform that supports Java, including Windows, Linux, and macOS. The application may be hosted on a cloud platform, such as Amazon Web Services (AWS) or Microsoft Azure, in the future.

# Product Requirements

[At a high level, list applicable standards, hardware or platform requirements, performance requirements, and environmental requirements.]

The application should allow the cake shop to manage and track customer orders, including details such as order date, customer information, order status, and delivery/pickup instructions.

The application should allow the cake shop to manage its customer data, including contact information, order history, and loyalty programs.

The application should allow for different user roles and permissions, such as admin, manager, and employee, to ensure proper access control and security.

The application should allow the cake shop to track its inventory levels, including raw materials and finished products, and receive notifications when inventory levels are low.