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# Coffee Chain Management System Vision

**Version 1.0**

Coffee Chain Management System	Version: 1.0
Vision	Date: 20/MAR/2019
Project_Vision.pdf	

## Revision History

Date	Version	Description	Author
20/MAR/2019	1.0	Initial Project Statement	Floriana Cenan

Coffee Chain Management System	Version: 1.0
Vision	Date: 20/MAR/2019
Project_Vision.pdf	

## Table of Contents

1.	Introduction	4
1.1	Purpose	4
1.2	Scope	4
1.3	Definitions, Acronyms, and Abbreviations	5
1.4	References	5
2.	Positioning	5
2.1	Problem Statement	5
2.2	Product Position Statement	5
3.	Stakeholder and User Descriptions	6
3.1	Stakeholder Summary	6
3.2	User Summary	6
3.3	User Environment	6
4.	Product Requirements	6

Coffee Chain Management System	Version: 1.0
Vision	Date: 20/MAR/2019
Project_Vision.pdf	

# Vision

## 1. Introduction

A good cup of coffee is the result of skilled hands and swift management. At the moment, many coffee chains have obsolete ways of managing the staff and resources, using applications that are unsynchronized throughout the group of managers, or sometimes even using paper management methods. Owners and managers of coffee shops require an application that eases the managing process and provides a more flexible and available way for managers to view and access the available resources.

### 1.1 Purpose

The purpose of the Coffee Chain Management System is to provide coffee shop managers with a way to access the resources needed to run the facility and view which of them are currently available. Each location manager will be able to place an order for what specific resources they need for the next day. In case of more managers needing the same resource, with the total amount being more than the available amount, an arbitration takes place.

As the owner of the coffee chain and the resource manager provide a certain amount of resources for all the shops, each location manager (individual or more coffee shops) is tasked to order the resources needed for the unit that they manage.

### 1.2 Scope

The following features will be covered by the Coffee Shop Management System:

- User Authentication (Create Account + Login)
- View inventory
- Update inventory
- View available resources
- Place, update and remove Order on available resources
- Arbitration (for when more managers want the same resource for their location)
- View Arbitrations (each manager can view the arbitrations in which they are involved)
- Quit Arbitration (when only one manager remains in an arbitration, arbitration is resolved by placing the resource to the manager remaining)
- Arbitration can be resolved by Owner, by resource manager or by algorithm in this priority.
- Available resources are updated by the resource manager

The following services are out of the scope of this project and will be provided by other systems:

- Chat service between employees and managers
- Delivery from warehouse to individual coffee shop
- Payments

Coffee Chain Management System	Version: 1.0
Vision	Date: 20/MAR/2019
Project_Vision.pdf	

### 1.3 Definitions, Acronyms, and Abbreviations

Term	Definition
Coffee Chain	A collection of coffee shops owned by a same person or company.
Resources	Consumables for the process of brewing coffee (coffee from different origins, different types of milk), supplies for serving and brewing (cups, expressor, French press, etc.), hygienic products (for cleaning and bathrooms), tables, chairs, menus.
Resource Manager	Person that is responsible for providing the coffee chain with resources and listing them on the application.

### 1.4 References

For further clarifications see the following resources:

- Project\_UseCaseModel\_PlaceOrder
- Project\_UseCaseModel\_Arbitration
- Project\_SupplementarySpecification

## 2. Positioning

### 2.1 Problem Statement

The problem of	Unorganized management of coffee chain resources
affects	The good conduct of individual coffee shops
the impact of which is	The quality of the service provided by coffee shops decreases
a successful solution would be	To have an application that eases the access to data about resources

### 2.2 Product Position Statement

For	Coffee Chain Managers
Who	Need to manage resources in a fair manner
The Coffee Chain Management System	is a Request Management System
That	Keeps an inventory for the available resources
Unlike	Paper based systems, Google Docs, Excel
Our product	Makes clear and visible arbitration boards Provides a way for arbitrations to be resolved

Coffee Chain Management System	Version: 1.0
Vision	Date: 20/MAR/2019
Project_Vision.pdf	

### 3. Stakeholder and User Descriptions

#### 3.1 Stakeholder Summary

Name	Description	Responsibilities
Owner	Person or company that owns the Coffee Chain	The owner approves funding for the project.
System Administrator	Person responsible for maintaining the system after the implementation	Ensures system is integrated with new versions of operating systems
Resource Manager	Person that is responsible for providing the coffee chain with resources	Listing available resources on the application

#### 3.2 User Summary

Name	Description	Responsibilities	Stakeholder
Manager	Places an order on the current available resources	Deletes, updates own requests Sees requests and arbitrations Updates the inventory	Primary user
Resource Manager	Provides resources	Updates resources on the application in the moment of buying them Can resolve arbitrations	Primary user
Owner	Has decisional power	Can resolve arbitrations and has a higher authority than the resource manager	Primary user

#### 3.3 User Environment

**Manager** – They take the stock and update it on the application and place orders on resources from the coffee shop computer. They must coordinate employees to count the items that are in the coffee shop and decide which resources and what amounts are needed in the future.

**Resource Manager** – Provide the resources the coffee chain needs and update the resources on the application. The environment can be either in an office or in field.

**Owner** – Decides what locations need the resources more in the case of an arbitration. The environment is an office.

### 4. Product Requirements

For either user, the product requires a stable internet connection, a computer with at least 8 GB RAM, Dual Core processor, one monitor with mouse and keyboard or touchscreen (as it is often used in coffee shops).