WATER ME

Software requirement specification Version 1.0

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Revision History

Version	Author	Date	Description
1	Dimah Mehdawi	2-11-2023	The initial SRS for Water Me application

Contents

Introduction

The Water Me Ordering System is a mobile application that allows users to conveniently order bottled drinking water for their location. The application provides a user-friendly interface for customers to browse and select water supply companies, place orders for water bottles, and track the status of their orders. This document outlines the functional and non-functional requirements for the development of this system.

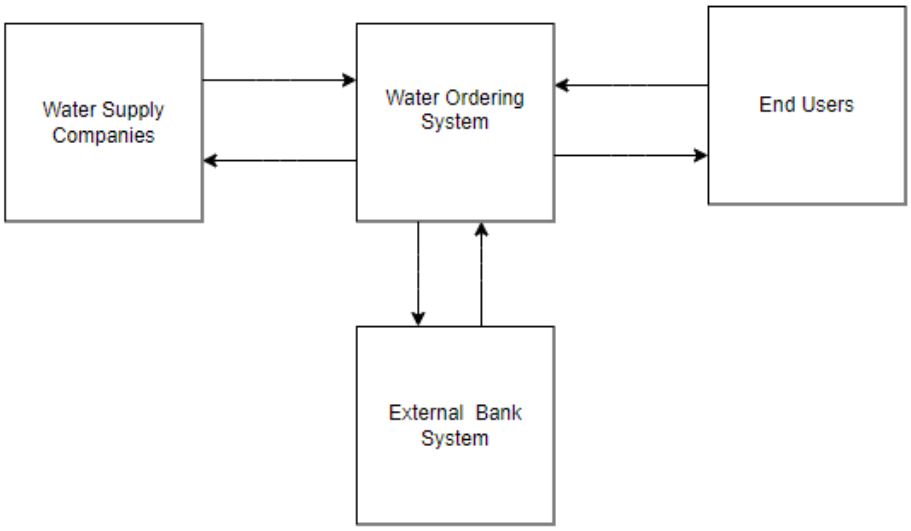
System Overview

The purpose of the Water Ordering System is to simplify the process of ordering drinking water for users. It aims to provide a seamless and efficient experience for customers who want to place orders while enabling water supply companies to manage and fulfill those orders effectively.

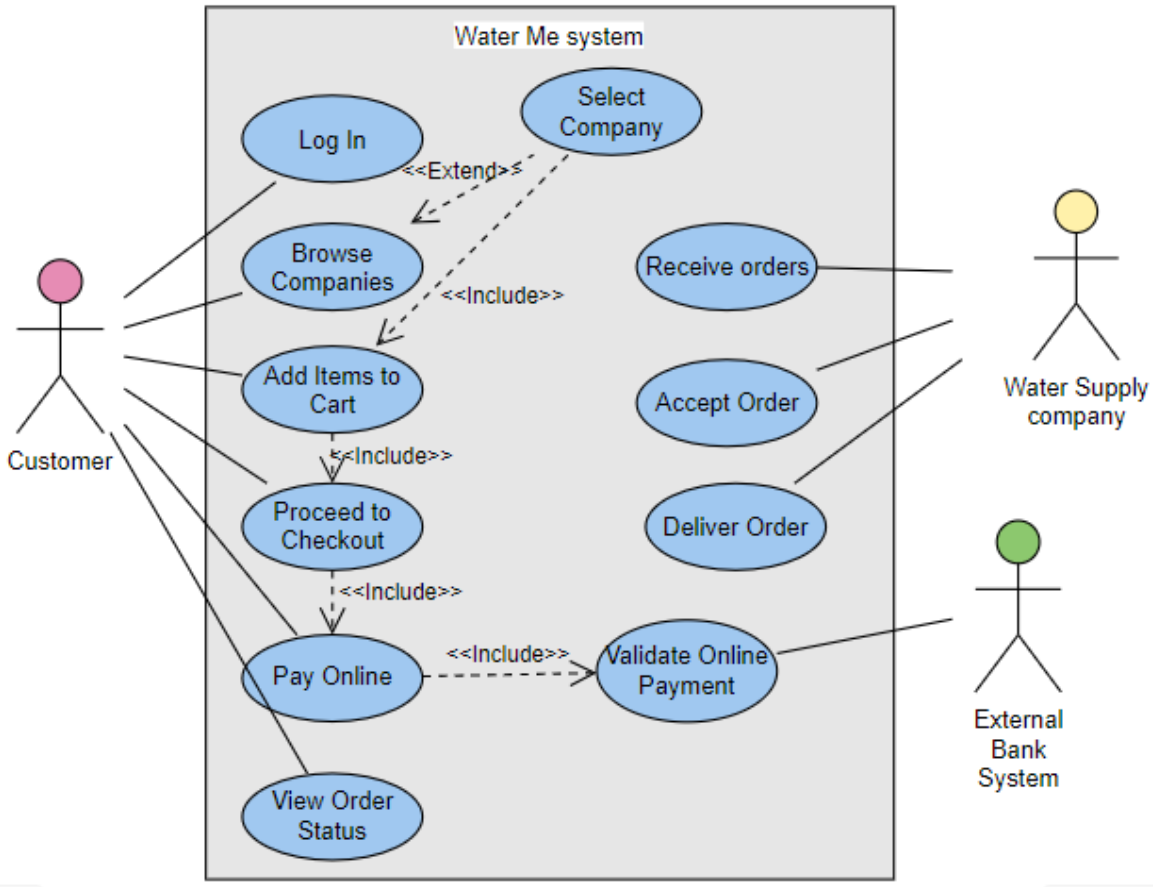
Stakeholder Information

- End Users: customers who use the application to order water.
- Water Supply Companies: Businesses providing bottled water services.
- Application Administrators: Responsible for system maintenance and monitoring.
- Developers: The team responsible for creating and maintaining the application.

Context Diagram



Use Case Diagram



Functional Requirements

1. User Registration and Authentication

- Users can download and install the application.
- Users must create an account or log in using their credentials.

2. Company Selection

- Users can browse a list of water supply companies.
- Users can view details about each company, including pricing and delivery information.
- Users can select a specific company from which they want to order water.

3. Order Placement

- Users can specify the quantity of water bottles they wish to order.
- Users can add or remove items from their shopping cart.
- Users can proceed to checkout when ready.

4. Order Management

- Users can track the status of their orders, including order confirmation, processing, and delivery.
- Companies can receive and manage customer orders through an administrative portal.

Quality Attribute

1- **Security:** Security attributes encompass the protection of the system from unauthorized access, data breaches, and other security threats. This includes features like authentication, authorization, encryption, and protection against common vulnerabilities.
2- **Usability:** Usability is about how user-friendly and accessible the system is. A usable application is easy to learn, efficient to use, and provides a pleasant user experience.
3- **Availability:** Availability is the degree to which the system is operational and accessible when needed. High-availability systems are designed to minimize downtime and ensure continuous operation.
4- **Reliability:** This attribute relates to the system's ability to perform consistently and accurately, without unexpected failures or errors. Reliable software should be available when needed and capable of handling errors gracefully.

System Constraints

- The system must adhere to data protection and privacy regulations.
- The application will initially target a specific geographic region.
- The system will be built as a mobile application compatible with iOS and Android platforms.