SRS and Usecase

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Submitted To:

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Title: “Aliment arrange app”

SRS:

Introduction

1.1 Purpose:

The purpose of this document is to specify the software requirements for the food delivery app, version Aliment Arrange. This document covers the scope of the app, including its features and functionalities.

1.2 Document Conventions:

No specific document conventions were followed for writing this SRS.

1.3 Intended Audience and Reading Suggestions:

The intended audience for this document includes developers, project managers, designers, testers, and other stakeholders involved in the development of the food delivery app. It is recommended to read the document in the following sequence: Introduction, Overall Description, External Interface Requirements, and System Features.

1.4 Product Scope:

The food delivery app is a mobile application that allows users to order food from various restaurants and have it delivered to their desired location with a certain budget. The app aims to provide a convenient and efficient way for users to browse through restaurant menus, place orders, make payments, and track the delivery process. The app will be available for both iOS and Android platforms.

1.5 References:

No additional references are required for this SRS.

Overall Description

2.1 Product Perspective:

The food delivery app is a stand-alone product that operates independently. It does not require integration with any existing systems or products. However, it should have interfaces with external payment gateways and mapping services for location-based features.

2.2 Product Functions:

User registration and login
Browse restaurants and menus
Search and filter restaurants
Place orders and customize items
Make online payments
Track order status and delivery
Provide ratings and reviews for restaurants
Support for promotions and discounts

2.3 User Classes and Characteristics:

The app is designed for two main user classes:

Customers: These are the end-users who use the app to order food. They may have varying levels of technical expertise and may use the app frequently.

Restaurant Owners: These are the users who manage restaurant information, menus, and order processing through the app.

2.4 Operating Environment:

The food delivery app will operate on the following platforms:

iOS (version 12 and above)
Android (version 8 and above)

2.5 Design and Implementation Constraints:

The app should be designed for mobile devices with varying screen sizes and resolutions. The app should be developed using native programming languages and frameworks for each platform (e.g., Swift for iOS, Kotlin for Android). The app should integrate with popular payment gateways and mapping services.

2.6 User Documentation:

The app will be accompanied by user documentation, including a user manual and an online help system. The documentation will provide instructions on how to use the app's features and troubleshoot common issues.

2.7 Assumptions and Dependencies:

It is assumed that users will have a stable internet connection to access the app's features. The app will depend on external APIs for payment processing and mapping services.

External Interface Requirements

3.1 User Interfaces:

The user interface should be intuitive, user-friendly, and visually appealing. It should follow platform- specific design guidelines to ensure a consistent user experience.

3.2 Hardware Interfaces:

The app should utilize the basic hardware components of the mobile device, such as the screen, camera, GPS, and internet connectivity.

3.3 Software Interfaces:

The app should integrate with the following software components:
Payment gateways for secure and seamless online payments
Mapping services for location-based features and accurate delivery tracking

3.4 Communications Interfaces:

The app should support communication protocols such as HTTP/HTTPS for data exchange between the app and backend servers.

System Features

4.1 User Registration and Login

4.1.1 Description and Priority:

This feature allows users to create an account and login to the app. It has a high priority as it is essential for personalized user experiences and order management.

4.1.2 Stimulus/Response Sequences:

User opens the app.
User selects the "Sign Up" option.
User enters their personal details (name, email, phone number, password).
System validates the entered information.
System creates a new user account and logs the user in.

4.1.3 Functional Requirements:

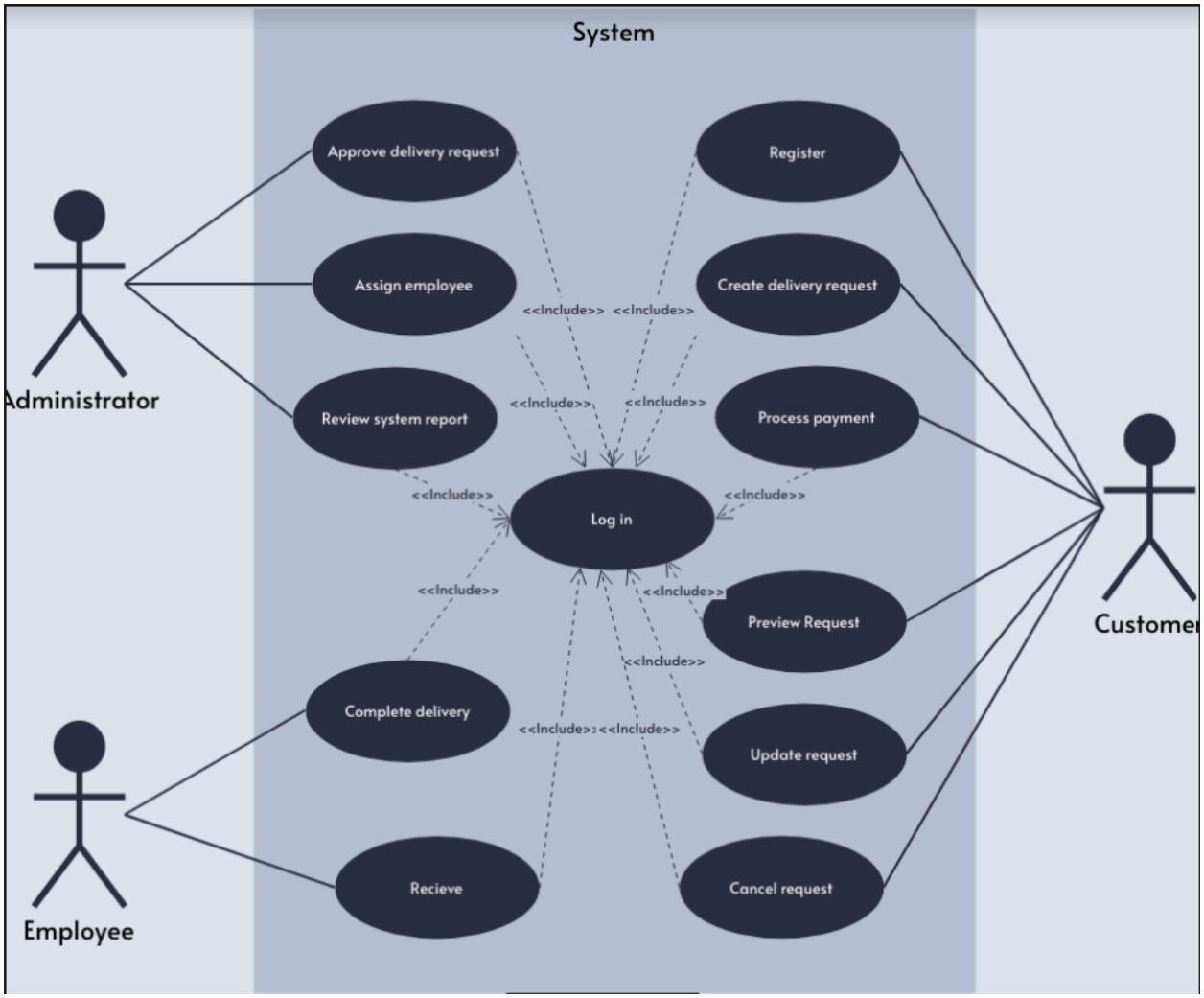
REQ-1: The app should provide a user registration form with fields for name, email, phone number, and password.

REQ-2: The app should validate the entered user information to ensure it meets the required criteria (e.g., valid email format, password length).

REQ-3: The app should securely store user account information and ensure the privacy and security of user data.

REQ-4: The app should provide a login screen where users can enter their credentials to access their
account.

Usecase:


System
Approve delivery request
Assign employee
Review system report
Register
Create delivery request
Process payment
Log in
Preview Request
Update request
Cancel request
Complete delivery
Recieve
<<Include>>
Administrator
Employee
Customer

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