Doy!
Vision

1. Introduction

The project will focus on delivering an efficient and user-friendly solution to food delivery. The project will be a web application where clients are customers, couriers or restaurant owners. There will be an administration panel where admin users will manage the clients. The customers will place orders in their restaurants of choice and restaurant owners will forward these orders to couriers and couriers will deliver these orders to the customers.

2. Positioning

2.1 Problem Statement

The problem of	The necessity of customers being physically present in the restaurant and customers having to spend time searching for different locations to access various meal options
Affects	Customers, restaurant owners and couriers
the impact of which is	The customers waste time searching for meal options and must go to the restaurant. Also, they are unable to compare different meal options from different restaurants.
a successful solution would be	A web application that saves customers time, by providing them easy access to a variety of meal options and allowing them to compare different restaurants and dishes conveniently.

2.2 Product Position Statement

For	customers
Who	need a quick and easy way to access various meal options
Doy!	is a food ordering web application.
That	allows customers to browse orders, compare and order meals from various restaurants effortlessly.
Unlike	Yemeksepeti
Our product	provides different options for specific user preferences and filters out the unwanted meals.

3. Stakeholder Descriptions

3.1 Stakeholder Summary

Name	Description	Responsibilities
Software Project Manager	Manages the whole process of software development.	- To allocate resources, - To shape priorities, - To coordinate interactions with customers and users, - To keep the project team focused on the right goal, - To establish a set of practices that ensure the integrity and quality of project artifacts.
Software Analyst	Studies the software application domain, prepares software requirements, and specification.	- To design, implement, and maintain software systems. - To analyze and resolve complex software issues. - To communicate with users and consultants for requirements. - To develop tests and maintain documentation.
Software Architect	Makes high-level design choices and dictates technical standards including software coding standards, tools and platforms.	- To provide architectural blueprints and technical leadership, - To evaluate and recommend tools, technologies and processes, - To troubleshoot code level problems quickly and efficiently.
Software Configuration Manager	Provides overall configuration management infrastructure and environment to the product development team.	- To manage any new requirements or changes in every step, - To define the integrations and reasoning, - To control the process and reporting.
Software Tester	Tests software for bugs, errors, defects and any performance related problem	- To implement individual tests - To set up and execute tests - To analyze and recover from execution errors
Customer	Places orders of their preference and compares various options of meals.	- To provide their address and payment information correctly.
Restaurant owner	Prepares the meal and forwards the order to the couriers	- To prepare the meal as soon as possible when order is placed, - To forward the order to the couriers when it is prepared, - To list the ingredients and allergens used in a meal correctly. - To match the prepared meal to the ad.

Courier	Receives the orders from the restaurants and delivers them to the customers	- To deliver the order on time without ruining the order during delivery, - To update the availability status after delivery.

3.2 User Environment

Doy! is a food delivery web application. All users need to sign up/log in to the system before they can use it. User registration features 2FA (2-Factor-Authentication) and encryption of user information. There are four types of users: customers, couriers, restaurant owners and admins. The customers and couriers will mainly use the application in mobile devices while restaurants and admins will mainly use it on PCs. Additionally, the couriers will mostly be outside when using the application.

The customers can browse through various restaurants and meal options. Recommendation systems in the app help the user find suitable meals for their preferences. The preferences include blocking certain allergens, or non-vegan food. They can place orders, and the payment of the orders is made via 3-D Secure, a secure payment gateway. Customers can also track the location of their order via Google Maps. The restaurant owners can create, edit or delete the showcases of their meals/restaurants. Restaurant owners also get an organized interface to help manage the orders. The couriers use the app to see assigned orders, update order status and view their ratings. Couriers also have access to a navigation interface powered by Google Maps to successfully navigate to the customer's address on time while saving fuel. The admins are responsible for managing all other user types and featuring discounts.

4. Product Overview

4.1 Needs and Features

Need	**Priority**	**Features**	**Planned Release**
Admins, restaurants, customers and couriers can sign up, log in and manage their accounts.	High	User Registration and Authentication, 2FA, Password Recovery and Reset	05.04.2025
Admin can manage the whole accounts, delivery fee policies and promotions, handles the complaints and disputes between restaurants, couriers and customers.	Medium	User Account Management, Role and Permission Control, Order Issue Handling, Analytics and Reports, Ban and Restriction System	05.04.2025

Restaurants can list their foods, beverages, deserts, etc. Restaurants can assign orders to couriers.	High	Menu Management, Pricing and Discounts, Stock Management, Allergy and Dietary Information, Courier Assignment System	19.04.2025
Customers can order food from restaurants. Order approval and cancelation.	High	Order System, Customizable Orders, Order Confirmation and Approval, Order Cancellation and Refunds,	26.04.2025
Customers and restaurant owners can track progress of order delivery. Couriers set delivery status information.	Medium	Real Time Order Tracking, Delivery Status Updates, Order History and Reorder	26.04.2025
Customers can view listed restaurants, types of foods, allergy or dietary related restaurants/foods and delivery times.	High	Restaurant Listing and Search, Food Categories and Filters, Estimated Delivery Times, User Reviews and Ratings	17.05.2025
Customers get recommended restaurants and/or meals depending on their preferences.	Medium	Recommendation System For Allergy and Dietary Preferences, Related Restaurants	17.05.2025

5. Other Product Requirements

Requirement	**Priority**	**Planned Release**
Java Spring API for Backend Requirements like Local Server, Security, Database Management, Real Time WebSocket Communication, etc.	High	05.04.2025
PostgreSQL for Relational Database Management and Advanced Query Optimization	High	19.04.2025
Responsive, Accessibility Supported User Interface on Web	Medium	26.04.2025

6. Traceability Table

Works/ Team Members	**Barış Yıldız**	**Said Çetin**	**Abdussamet Tekin**	**Muzaffer Berke Savaş**	**Mehmet Oğuz Kocadere**
Stakeholder Descriptions and Positioning			X		
Needs and Features, Other Product Requirements				X	
Traceability Table					X
Preparing Context Diagram	X				
User Environment		X			
Total Effort	2 hours	2 hours	2 hours	2 hours	2 hours

7. Prompts

There is no AI prompt used in the production of this document.

8. Appendix

The context diagram of the project is provided below.