

Statement of Work (SOW)

Project Title: A dynamic, multi-purpose reservation system.

Date: 07th February, 2025

Prepared By: ReserV8

1. Introduction

This Statement of Work (SOW) outlines the objectives, scope, deliverables, and responsibilities for the "Dynamic, multi-purpose reservation system" to be executed by **ReserV8**. The purpose of this project is to create a web-based platform that allows users to reserve tables at restaurants within a specified radius of their location. Additionally, the system will enable users to pre-book their meals and drinks to minimize wait time. The platform will also extend to a campus reservation system limited to Mahindra University for booking various college facilities such as sports grounds and library study rooms.

2. Scope of Work

- **Project Description:** The project involves developing a web-based application that enables users to:
 - Reserve tables at restaurants within a user-defined radius based on their location.
 - Pre-book meals and drinks to reduce waiting times.
 - Reserve facilities within the university including sports grounds and library study rooms.
- **Objectives:**
 - Develop an intuitive and user-friendly website for table reservations.
 - Implement a geolocation-based search feature for restaurant reservations.
 - Allow users to pre-book meals and drinks.
 - Extend the platform to facilitate booking college facilities.
 - Ensure a seamless and efficient reservation process for users.

- **Key Activities:**

- Requirement gathering and analysis.
- UI/UX and front-end development.
- Database design and back-end implementation.
- Integration of geolocation services and booking functionalities.
- Testing, debugging, and optimization.
- Deployment and maintenance.

3. Deliverables

- **Deliverable 1:** Initial prototype of the website (Due: 2nd week of March)
- **Deliverable 2:** Fully functional restaurant reservation system (Due: 2nd week of April)
- **Deliverable 3:** Implementation of the campus facility booking system (Due: 1st week of May)
- **Deliverable 4:** Final version with testing and deployment (Due: 3rd week of May)

4. Timeline and Milestones

Milestone	Description	Due Date
Team Registration	Brainstorming ideas	29 th Jan
Statement of Work	Finalizing project idea	7 th Feb
Software Requirements Specification	List project needs	10 th Mar
Software Design Document	Plan Architecture	7 th April
Software Test Plan	Define test cases	9 th May
Project Demos	Final presentation	20 th May

5. Roles and Responsibilities

- **Team Members:** Steffy Ranjith, Shriya Mamidela - Frontend Developer
Singarapu Tanasi, Tathireddy Meghana- Backend Developer
S.Meghana, Aashita Parimi- Lead Developer
Vedha Mudhana, Shreyas A Baksi- QA Engineer
- **Client Contact:** Software Engineering course, Mahindra University

6. Assumptions and Constraints

- **Assumptions:**
 - The system will have access to geolocation to facilitate bookings.
 - Restaurant and campus facilities will maintain accurate, real-time availability updates via an admin portal.
 - Users will have a stable internet access and compatible devices to interact with the system.
 - Security measures such as authentication and data encryption will be in place to protect user information.
- **Constraints:**
 - The system must be completed within the project timeline and resource limitations.
 - User data privacy and security must comply with regulations.
 - The platform must be optimized for performance and support multiple simultaneous reservations.
 - The system's functionality depends on third-party API reliability and service availability.

7. Approval Signatures

Client:

Name: Mahindra University

Title: Software Engineering Course

Signature: _____

Date: 07th February, 2025

Service Provider:

Name: ReserV8

Title: Dynamic, multi-purpose reservation system

Signature: _____

Date: 07th February, 2025