**Online Intercity Car Pooling System**

**“CityGo”**

**Business Requirement Specification**

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# 1. Introduction

# Document Purpose

This document communicates the business requirements and scope for developing Car Pooling System. The scope of this document is to define the functional and non functional requirements, business rules and other constraints requirements.

# Project Background

There is a growing awareness of the challenges associated with individual commuting, such as increasing traffic congestion, rising fuel costs, and environmental concerns. Inefficient use of private vehicles and the lack of convenient alternatives contribute to these challenges.

# Goals of the project

The online carpooling system is a platform designed to connect individuals who are traveling in the same direction so they can share a ride together. It aims to provide a more sustainable and cost-effective transportation option by reducing the number of vehicles on the road and optimizing the use of existing resources.

# Users and Stakeholders

* Users:
  + The individuals who have cars seats available for share transportation with others.
  + Passenger seek shared rides with drivers heading towards in the same city.
* Stakeholders
  + Private Vehicle Owners: Individuals who own a car and offer rides to other users through the carpooling system.
  + Government and Regulatory Authorities: Reduce traffic congestion and promote sustainable transportation.
  + Travelers: People who use carpooling for long-distance trips

# 2. Business Requirements Overview

* Online car pooling system is the public web application.
* Online car pooling system will be opened to the global, but in the phase 1, the main target is in the Maharashtra .
* There are mainly two types of user. One is the **Passenge**r and other is **Car owner**.
* User can find out the minimum price ride and then user can send the request to particular driver.
* Online car pooling system provides the functions which connect the users and the Car owner efficiently and directly.
* Online car pooling system could be maintained by **Administrator**.

# 3. Functional Requirements Overview

Online car pooling system consists of three modules described as below.

1. Car owner Module.
2. User Module.
3. Admin Module.

# 3.1 Car owner Module

* Car owner can register and create his own account.
* Car owner should be able to registered by providing their personal information, vehicle details, driving-license information and contact details.
* Car owner will have login first before the send the request.
* Inter-city Car Pooling System provides the function which allows Car owner to publish his travelling details like date, time and location.
* He/she is able to select existing user with their choice.
* Car owner should have the ability to set their availability by specifying their preferred routes,range of fixation of amount, timings, and the number of available seats in their vehicles.

# 3.2 User Module

* User can register and create his own account.
* Online car pooling system provides the function which allows user to find out the rides where he/she wanted to go.
* User can find out the minimum price ride and then user can send the request to particular driver.

# 3.3 Admin Module

* Online car pooling system should provide all function to admin how to handle the System.
* What are the Car owner and Users are using this system and are they authorized.
* Could able to know all the worst review of the users according to that they select the Car owner disabled or blocked.

# 4. Non-functional Requirements

* The website should use professional design, look and feel and color scheme.
* Users will have no limitations for accessing the application through Internet. The portal being an internet application, it is difficult specify exact number of visitor or users. Hence we will target the system to support between 1 and 5 million users on launch of phase 1.
* Being a public website, the site must follow general usability guidelines for menus, navigation, colors, links and other actions provided on the screens.
* The system should be designed in such a manner that user will be able to complete tasks in minimum number of steps.