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| **EXECUTIVE SUMMARY OF PROJECT PROPOSAL** |
| Road Rangers, a cab service provider, aims to introduce an efficient software application to manage passenger ride requests and facilitate driving opportunities for captains. This proposed system will enhance the overall experience for passengers and captains by offering various ride options while enabling transparent fare calculations based on distance and ride type. The software intends to revolutionize operations, streamline ride requests, and track essential metrics for improved service delivery and operational efficiency |
| **PROJECT PURPOSE, SCOPE AND OBJECTIVES** |
| **Objective:**  Develop a user-friendly interface for passengers to request rides conveniently. Create an intuitive platform for captains to accept and fulfill ride requests efficiently. Implement a transparent fare calculation system based on distance and ride type. Track and record ride details for analysis and performance monitoring.  **Project Scope and Purpose:**  **Scope:**  Passenger Interface  Captain Interface  Fare Calculation  Ride Tracking  Performance Metrics  **Purpose:** The primary purpose of this project is to develop a robust software application that optimizes the ride request process for passengers and captains. It aims to enhance customer satisfaction, and streamline ride selection, and fare calculation while providing an intuitive platform for captains to accept and fulfill ride requests efficiently. |
| **PROJECT DESCRIPTION** |
| **Project Description:**  The proposed cab service system will comprise several modules:   1. **Passenger Module:** This module will allow passengers to register, log in, request rides, choose from various ride options, view estimated fares, and track ride progress. 2. **Captain Module:** Captains will register, log in, view ride requests, accept or reject.   them, view ride details, and update ride statuses upon completion.   1. **Fare Calculation Module:** A module dedicated to accurately calculating fares based on distance traveled and ride type, ensuring transparency and fairness in pricing. 2. **Ride Tracking and Reporting Module:** This section will track ride details, including distance, time, and fares, and generate reports on the number of rides taken, total profits, and other important metrics. |
| **Course concepts to be used:** |
| Our main objective is to achieve the skills in implementing databases whereas we have the following objectives as well:   1. Utilizing PL/SQL programming. 2. Applying normalization. 3. All SQL Command are used |
| **TEAM PROFILE** |
| Everyone will do equal work |
| **ASSUMPTIONS AND CONSTRAINTS** |
| **Assumptions:** Availability of a stable network connection for real-time ride requests and updates. Accurate mapping and GPS systems to calculate distances for fare computation. Proper adherence to regulatory requirements and legal standards.  **Constraints:** Potential technological limitations or compatibility issues during system development. The a need for continuous updates and maintenance to ensure system reliability and accuracy. Adherence to budgetary and time constraints for project completion. |