Project Proposal: RentaGo – Car Renting System

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1. Overview

The RentaGo Car Renting System is a software application designed to simplify the process of renting cars. It provides a platform where users can register, browse available cars, rent them, and track their rental history. Administrators manage the car listings, approve users, set rental prices, and generate reports. The system uses .txt files as a lightweight database for storing information.

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2. Objectives

- To develop an efficient car renting system that connects users and administrators.

- To allow customers to rent cars quickly and securely.

- To automate rental record management using text-based storage.

- To provide an AI-based recommendation feature for better user experience.

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3. Purpose

The purpose of RentaGo is to replace manual car rental procedures with a digital system that is simple, fast, and user-friendly. It helps both customers and administrators by reducing paperwork, saving time, and improving accessibility.

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4. Functionality

For Users

- Register/Login.

- Browse and view cars.

- Rent a car.

- View rental history.

- Receive AI car suggestions.

For Administrators

- Approve/reject users.

- Manage cars (add/update/delete).

- Set rental prices.

- Generate reports.

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5. Diagrams

- **Use Case Diagram**

- **DFD** (Data Flow Diagram)

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6. Team Members

1. **Lokeshwar Deb Protik** – Project Leader, Full Stack Developer.

2. **Iftikhar Mohammad Khan** – Frontend/CLI Interface Developer.

3. **Farzana Akter** – Documentation & Testing.

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7. References

- SRS Templates from **IEEE Standards**.

- Lecture notes and software engineering resources.

- Online references: TutorialsPoint, GeeksforGeeks, ResearchGate papers on car rental systems.