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SEC – 01

**Project Proposal for Car Sale System**

1. **Introduction**

The car sale system aims to manage first-hand and second-hand car sales. Deliverables for the project are project proposal, design document, progress report, and project prototype. These also symbolize the milestones of the project.

1. **Project Description**
   1. **Overview**

The car sale system targets car dealerships that would like to digitalize some procedures in car sales. Keeping sale records, creating and tracking orders, listing optional car features, listing performance statistics, showing payment options are some of the functionalities of the program. Within this system, it’s easy to manage car sales for both sides. Customers can see all of the features such as engine power. They can also filter the search results.

* 1. **Objectives**

The objectives of this product are to make this system maintainable, correct, reusable, portable, and adaptable. The main goal is to digitalize the car sale procedures and compose a successful system that works decently for dealerships and any customer-side stakeholders. Functional and nonfunctional requirements serve the purpose of highlighting some of the notable parts of the system. These include buying and selling records, filtering the car options, and listing payment options for functional requirements and providing optimal screen pace, ensuring security and making minimal use of storage for non-functional requirements.

* 1. **Target Customers**

The project aims at car dealerships that would like to make the process of car buying and selling easier. The salespeople who will use this program will be able to create the sale and buy records, see sale and buy records, list the current stock and their performance statistics, and payment options. The expected users of the program are salespeople, dealership managers, accountants, and mechanic staff. This system mainly will provide the mentioned functionalities for workspaces of showrooms and dealerships.

* 1. **Value Proposition**

The automotive sector demands such services to improve their work. This project will reduce paperwork and cost, make the procedure of buying and selling digitalized, make it easier to keep and search the records, and speed up the whole system.

1. **Preliminary Plan**
   1. **Planned Deliverables**

As stated in the introduction part, deliverables will be based on documents except for the prototype and final product. The first phase will provide the specifications of the project requirements. It will be followed by the designing step which will provide the design model of the project. The implementation phase will shape the main components. In the testing phase, the functionalities of the system will be ensured.

* 1. **Working Plan**

For our project, we will mostly adopt a plan-driven approach, however agile practices will also be used. The development team consists of 4 programmers. The initial plan is to get some software development training until we become confident enough to start managing the project. Regular meetings will be held during every phase of the development process and some agile practices such as pair programming will be conducted to make team members comfortable with working together. The main stages of the development of the product which are requirements specification, design, code implementation, deployment, and maintenance represent the milestones of the project.