AutoLease

Enterprises Application Development Course Work

Proposal

DSE 23.2 F

Supervised By:

Mr. Tharindu Gamage & Mr. Thiwanka silva

Submitted By:

GADSE232F-006 -PADMAKUMARA M W K S R

Table of Contents

1) Title & Introduction

Title

AutoLease (Vehicle Leasing Management System)

Introduction

AutoLease is a Basically desktop application used for manage vahicle leasing and vehicle sales process. This application is solive the complexcity of vehicle inventories, customer reports, customer profiles, lease agreements, sales transaction, and maintenance records.

2) Executive Summary

AutoLease is a Vehicle Leasing Management System is designed to handle the leasing and sales process of vehicles. The application empowers users to handle vehicle inventory, customer profiles, lease agreements, sales transaction and payments in one place.

3) Project Objectives and Goals

<u>Objectives</u>

- Manage the vehicle inventory.
- Managing customer profiles.
- Create, Update, and Remove lease agreements and sales transactions.
- Analyze the sales.

<u>Goals</u>

- Develop a user-friendly application that integrates leasing and sales process.
- To facilitate task management
- Implement user authentication and profile management for users.

4) Scope and Features

Scope

- Management of vehicle inventory for sales and leasing.
- Customer Profile management.
- Manage the lease agreement.
- Sales Transaction processing.
- Manage the customer payments.
- Reporting and analyzing.

Feature

- Vehicle Inventory Management

  Add, view, update and delete vehicle.

- Customer Management

  Create and manage Customer profile.

- Lease Agreement

  Generate and manage lease agreements.

- Sales Transaction
- Payment Management
- Reporting & Analysis

5) Target Audience

- **Employees:**

  simply creating the lease agreements and customer payment process

- **Manager:**

  Conformation of leasing process and analyzing tha sales

6) Technical Requirements

- **Programming Language:** Java
- **Frameworks:** Java Swing (for GUI)
- **Database:** Relational Database (MSSQL / MySQL)
- **Tools:** IntelliJ IDE, Git

7) Architecture and Design

LogIn

User Name

Password

LogIn

Home

| Vehicles | Leasing | Payments | Customers |

Vehicles
X

Search [Search] [Request]

Vehicle Image

[Upload]

VIN

Model

Year

Price

Status

[Buy] [Delete] [Update] [Add]

Buy

VIC

NIC

Payment

[Pay]

Leasing
X

Search [Search] [Request Loan]

Payment

VIN	Customer NIC		Search

Customer

Customer NIC		Search

NIC

Name

Contact

Address

Delete | Update | Add

Home

| Leasing Request |

| Loan Request |

Leasing

| Search | | Search | | Aprove |

Loan

Search | Search | Aprove