Ahsanullah University of Science & Technology

Department of Computer Science & Engineering

Project Report on

Car Sales Management

Course Title: Database Lab
Course No: CSE 3104

Prepared By-

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Abstract

"Car Sales Management" is designed to automate accounting and control of
Sales of cars.
The use of this software allows you to save time and energy when drafting
documents, as well as reduce costs and increase profits of your business.

In this project we have used JAVA language along with an open-source Java-based
framework(java swing) is used to design our interface and UI. In this project we
have used Microsoft SQL Server 2014.

Objective

We will analyze the project scenario and find out all the possible entities,
relationships, and attributes. Then we will make a ER Diagram along with
Relational Schema. We will make the UI user-friendly so that users can easily
find out the features they need and save time.

Project Scenario

Car sales management is a management system where firstly an user can see two
options to login. One is for admin and another is for seller. If an admin log in
successfully then he/she can add seller or vehicle information in his database.
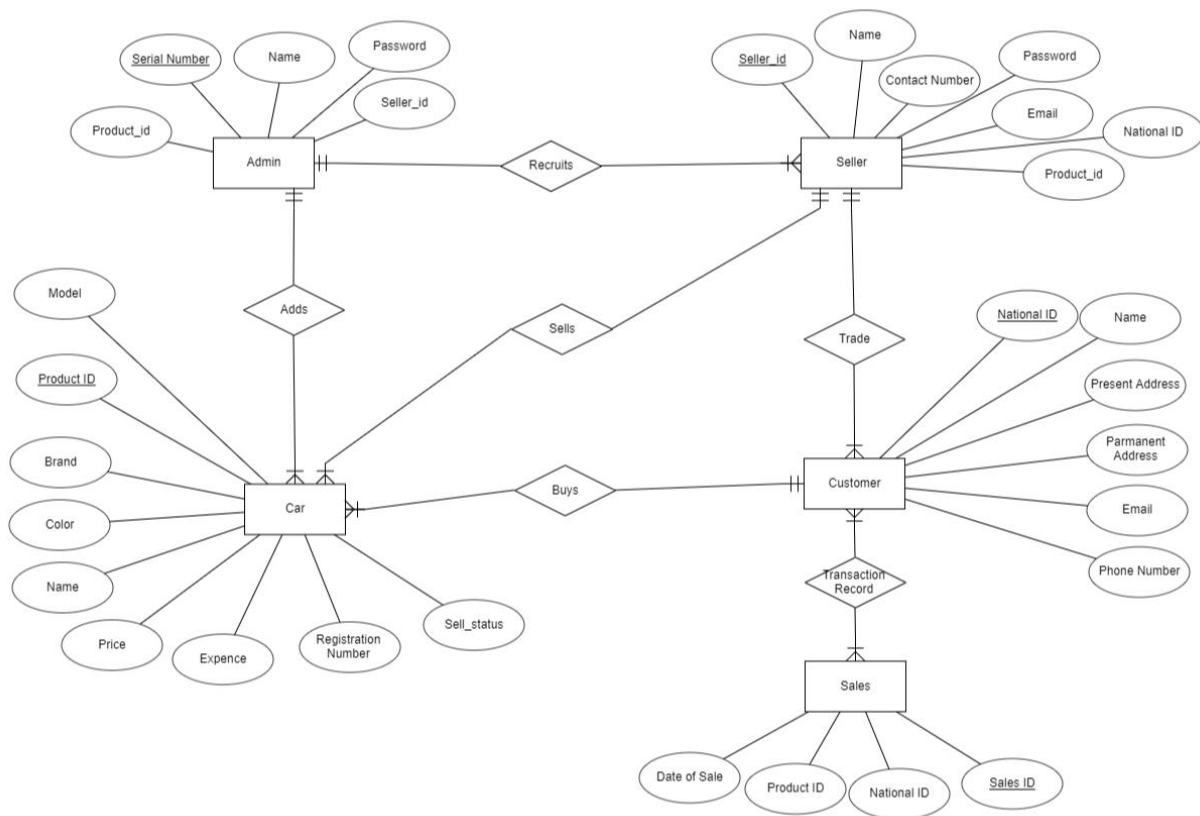An admin can modify all the data that have inserted.
If a seller log in successfully then he/she may proceed to sell any products from the
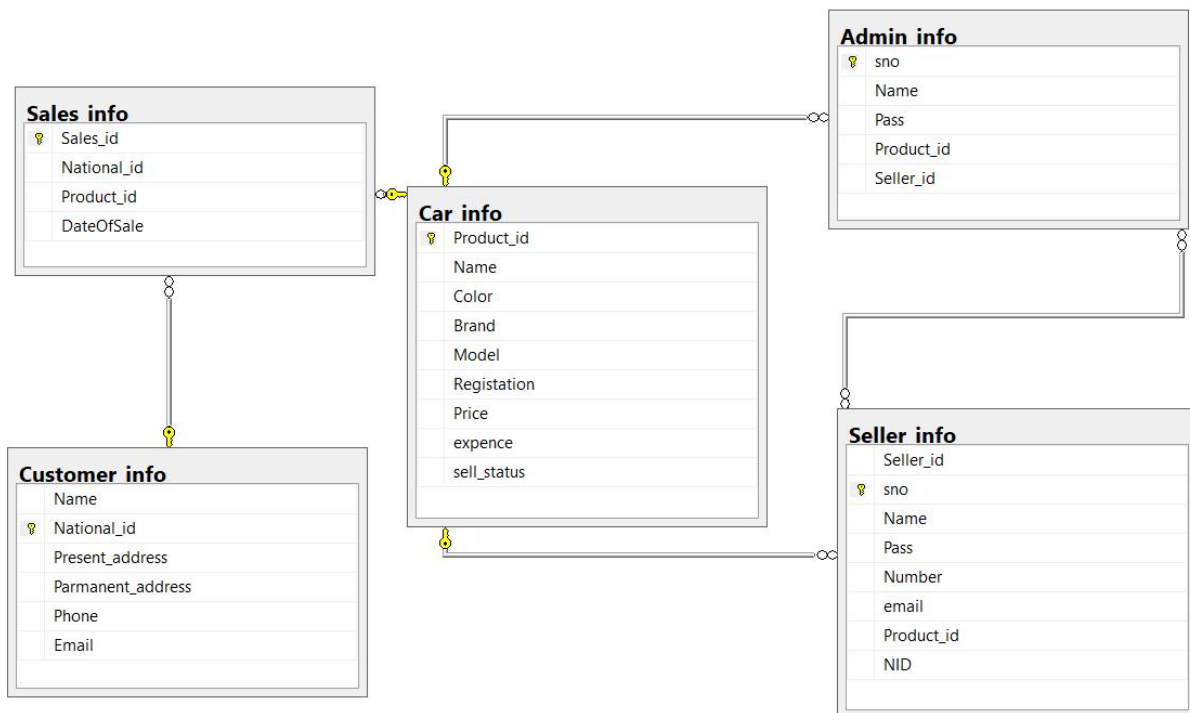store.

Analyzing Project Scenario

Possible Entity	Possible Relationship	Possible Attributes
1.Admin 2.Seller 3.Customer 4.Sales 5.Car	Admin **Adds** Car Admin **Recruits** Seller Seller **Sales** Car Seller **Trade** Customer Customer **Buys** Car Seller **Transaction Record** Sales	1. Admin **Serial Number** Name Password Product Id Seller Id 2. Seller **Seller Id** Name Contact Number Email Password National Id Product Id

		3. Car **<u>Product Id</u>** Name Color Brand Model Registration Number Price Expense Sell Status 4. Customer **<u>National Id</u>** Name Present Address Permanent Address Email Phone Number 5. Sales **<u>Sales Id</u>** National Id Product Id Date of Sales

ER Diagram

Relationship Schema

Sales info

🔑	Sales_id
	National_id
	Product_id
	DateOfSale

Admin info

🔑	sno
	Name
	Pass
	Product_id
	Seller_id

Car info

🔑	Product_id
	Name
	Color
	Brand
	Model
	Registation
	Price
	expence
	sell_status

Customer info

	Name
🔑	National_id
	Present_address
	Parmanent_address
	Phone
	Email

Seller info

	Seller_id
🔑	sno
	Name
	Pass
	Number
	email
	Product_id
	NID

Key Features

1. Easy to understand & beautiful UI design
2. Ensured scurity
3. Ability to keep records using database
4. User-friendly Inferface
5. Storing and retrieving data from database using database management with Microsoft SQl Server

Strategy & Technology Used

In this project we have used Microsoft SQL Server 2014 to store and retrieve data from the software.This project is build on Java and we have used Java Swing for UI design. The IDE used for this project is NetBeans IDE 8.2 for Java Developers.We have used jcalendar-1.4.jar, sqljdbc42.jar essential packages for this project.