

**CS-702 Project Requirements Analysis**  
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*CAR ARENA WEBSITE*

**Submitted in partial fulfillment of the requirements  
for the award of degree of  
Bachelor of Technology  
In  
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KALYANI**

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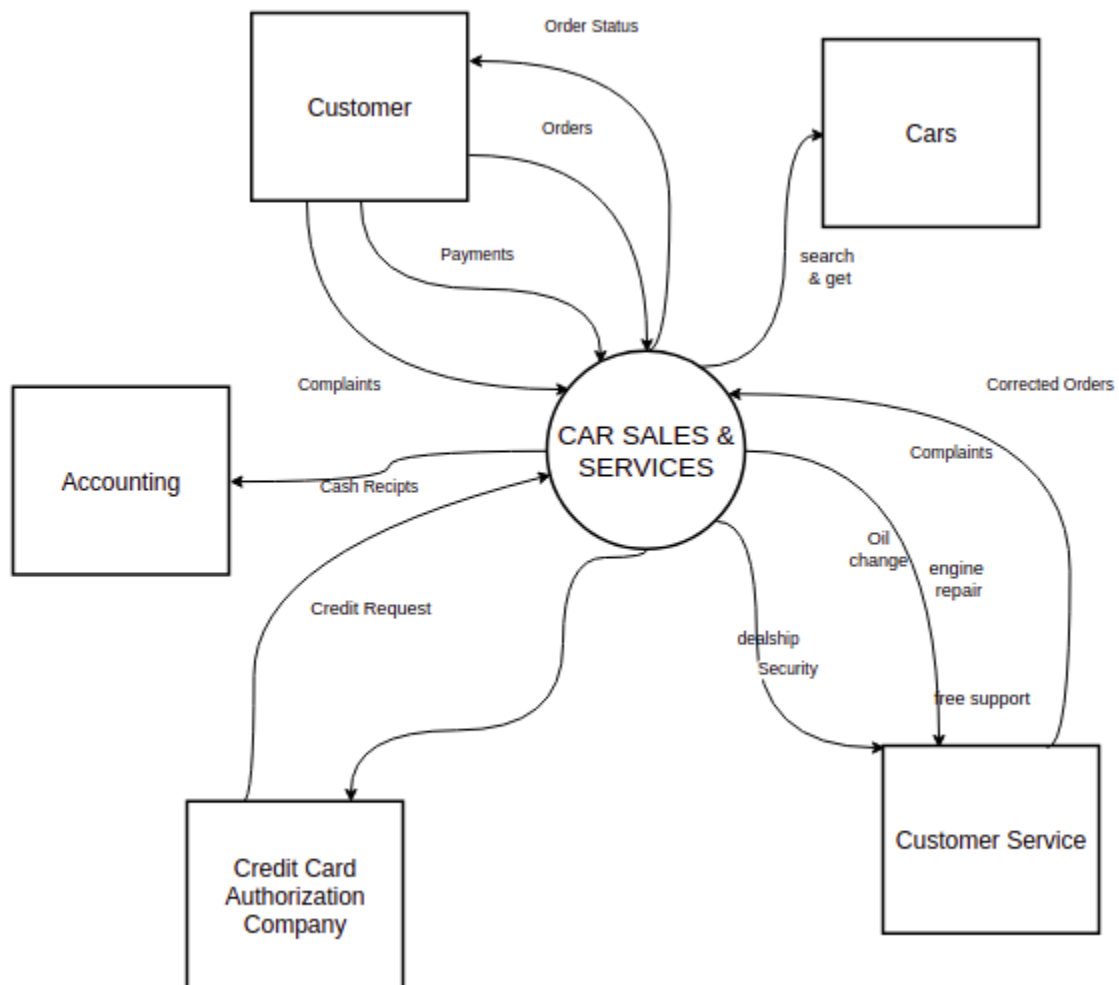
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## REQUIREMENT ANALYSIS

### The context diagram

The context diagram is a simple model that defines the boundaries and interfaces of the proposed systems with the external world. It identifies the entities outside the proposed system that interact with the system.



## **Details of hardware & software used:**

### **Hardware Specification (Minimum):**

Disc Space:	30 GB
PC Used:	IBM Compatible
Processor:	Intel i3
Memory:	512 MB RAM
File System:	32 Bit

### **Software Specification:**

Operating System (Client Side):	Windows 7.
Client End Language:	HTML,CSS
Server Side Language:	Django
Database:	My Sql
Web Server:	XAMPP

### **Data Collection Methods**

**Cars-** Various car company websites were used to collect data of cars and its features.

**Services-** Details of services were extracted from car servicing agencies.

## **Requirement Specification**

### **Functional Requirements**

**Login Panel :** The website should allow only registered accounts with correct credentials.

**Register:** The website shall allow users to register new accounts on the site.

**Home Page :** Dashboard with search and featured car & admin information.

**Global Search:** The website should be able to fetch required records or information from the searched keywords.

**Contact Us** The website should be able to send the contact us form to the selected mail id.

**CAR/services section:** The website should be able to fetch the records the database

### **Non Functional Requirements**

**Usability :** There is a consistency in all the modules and webpages. There is proper instruction on each page.

**Reliability :** Each data record is stored on a well-built efficient database schema. There is no risk of data loss. The internal evaluation of data is well coded.

**Supportability :** The system is well built to support any machine maintainability of the system is easy.

**Performance :** In order to ease the accessibility, each type of transaction(income/expense) is stored in a separate database. Throughput of the system is increased due to light weight database support.

**Availability :** The system is available all the time, no time constraint