# l1.jpgl2.jpg

# Course Name : Software Engineering .

# Project Name : Automated Parking Garage System .

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# Team

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# Introduction

## Software Purpose

**The purpose of this project is to track and manage occupancy of a parking garage and allow customers to find and reserve available parking places.**

**Audience : users , manager, project manager and developer.**

## Software Scope

## maincomponant ---->

## 1 ) cars

## 2 ) customers

## 3 ) license-plate readers

## 4 ) elevator

## 5 ) sensor

## main features ----->

## 1 ) process pfregistration

## 2 ) Occupancy Monitoring

## 3 ) Garage Access Control

## 4 ) Administration

# Requirements

## Functional Requirements

## --->the customer will provide demographic information .

## --->a valid email his or her credit card number.

## ---> The customer may provide the license plate numbers for his or her vehicle .

## --->the parking decks above the ground level will be accessible only using an elevator

## ---> Only passenger vehicles can be parked in this parking garage

## ---> Customers will register at the company website in advance of

## using the parking garage.

## --->input car , customer

## --->output parking services

## --->system will store cars

## ---> There will be a digital display installed on the ground floor that

## will indicate available vacancies for the walk-in customers without reservations. This display will also indicate if the ground-level parking area is full.

## ---> allow customers to make a (monthly) contract

## with the parking garage for a parking spot.

## ---> The manager will be able to login into the system to view monthly reports,

## payroll information, and change prices for the parking garage.