Cairo University  
Faculty of Computers and Artificial Intelligent

**CS251**

**Software Engineering I**

Project Name

Software Design

|  |  |
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Contents

[Team 3](#_Toc101814920)

[Document Purpose and Audience 3](#_Toc101814921)

[System Models 3](#_Toc101814922)

[I. Class diagrams 3](#_Toc101814923)

[Important Algorithm 4](#_Toc101814924)

[II. Sequence diagrams 5](#_Toc101814925)

[Class - Sequence Usage Table 6](#_Toc101814926)

[Ownership Report 6](#_Toc101814927)

# Team

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# Document Purpose and Audience

**Purpose:**

* In this document the reader can identify all the design diagrams for our parking garage app software like (sequence and class diagrams)

**Audience:**

* Customers that want to make a complete parking garage system for their parking lot/s.
* Users, project Management and the system designers.
* Persons how are interested in knowing how to make a software design to a software system in general and to a parking garage app specifically

# System Models

## A picture containing text, indoor Description automatically generatedI. Class diagrams

## II. Sequence diagrams

1. **Sign up**

**Diagram

Description automatically generated**

**2.Log in admin**

**Diagram

Description automatically generated**

**2.Log in Employee**

**A diagram of a flowchart

Description automatically generated with low confidence**

**3.Park in**

**Diagram

Description automatically generated**

**4.Park out**

**Diagram

Description automatically generated**

**5.View profile admin**

**Diagram, schematic

Description automatically generated**

**5.view profile Employee**

**Diagram

Description automatically generated**

**6.Update profile Admin**

**Diagram

Description automatically generated**

**7.Display income and Number of vehicles**

**A picture containing text, indoor

Description automatically generated**

**8.Display all employees**

**Diagram

Description automatically generated**

**9.Add employee**

**Diagram

Description automatically generated**

**10.Remove employee**

**Diagram

Description automatically generated**

# Ownership Report

|  |  |
| --- | --- |
| **Item** | **Owners** |
| All sequence Diagrams, Class diagram and document purpose and audience and introduction | Mohamed Hamdy Mohamed |
| All sequence Diagrams, Class diagram and document purpose and audience and introduction | Basant Mahmoud Mohamed |
| All sequence Diagrams, Class diagram and document purpose and audience and introduction | Walaa Hassan Saad |
| All sequence Diagrams, Class diagram and document purpose and audience and introduction | Aliaa Mohamed Saad |