

Cairo University

Faculty of Computers and Artificial Intelligent

# CS251

## Software Engineering I

“Garagak”

Software Design Specifications

By: The Straw Hats

1/6/2022

1<sup>st</sup> of June, 2022

# CS251: Phase 2 - **The Straw Hats**

## Software Design Specification

### Contents

Instructions [To be removed] .....	<b>Error! Bookmark not defined.</b>
Team .....	3
Document Purpose and Audience .....	3
System Models .....	3
I. Class diagrams .....	4
Important Algorithm.....	5
II. Sequence diagrams.....	5
Class - Sequence Usage Table.....	10
Ownership Report .....	10
Policy Regarding Plagiarism:.....	10

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## Software Design Specification

### Team

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20200512	Marwan Mohamed Nabil Mohamed	marwan.m.nabil.03@gmail.com	01004039278
20200112	Bassem Mohamed Hassan Ismail	bassem8mohamed8@gamil.com	01203266637
20200638	Yahia Salah Zaki Mohamed	yahiaelsherif2002@gmail.com	01069559925

### Document Purpose and Audience

-This document is a full and detailed description of a software system developed to ease a certain issue. Utilizing the best quality approaches, this document serves as a conceptual design specification and full overview of the preamble, all to bring out the fundamental functions of this project.

-Of course, this project software is so simple yet so beneficial. So, this document is designed so that it is easy for common readers such as CEOs and ordinary application users to understand.

### System Models

#### I. Class diagrams

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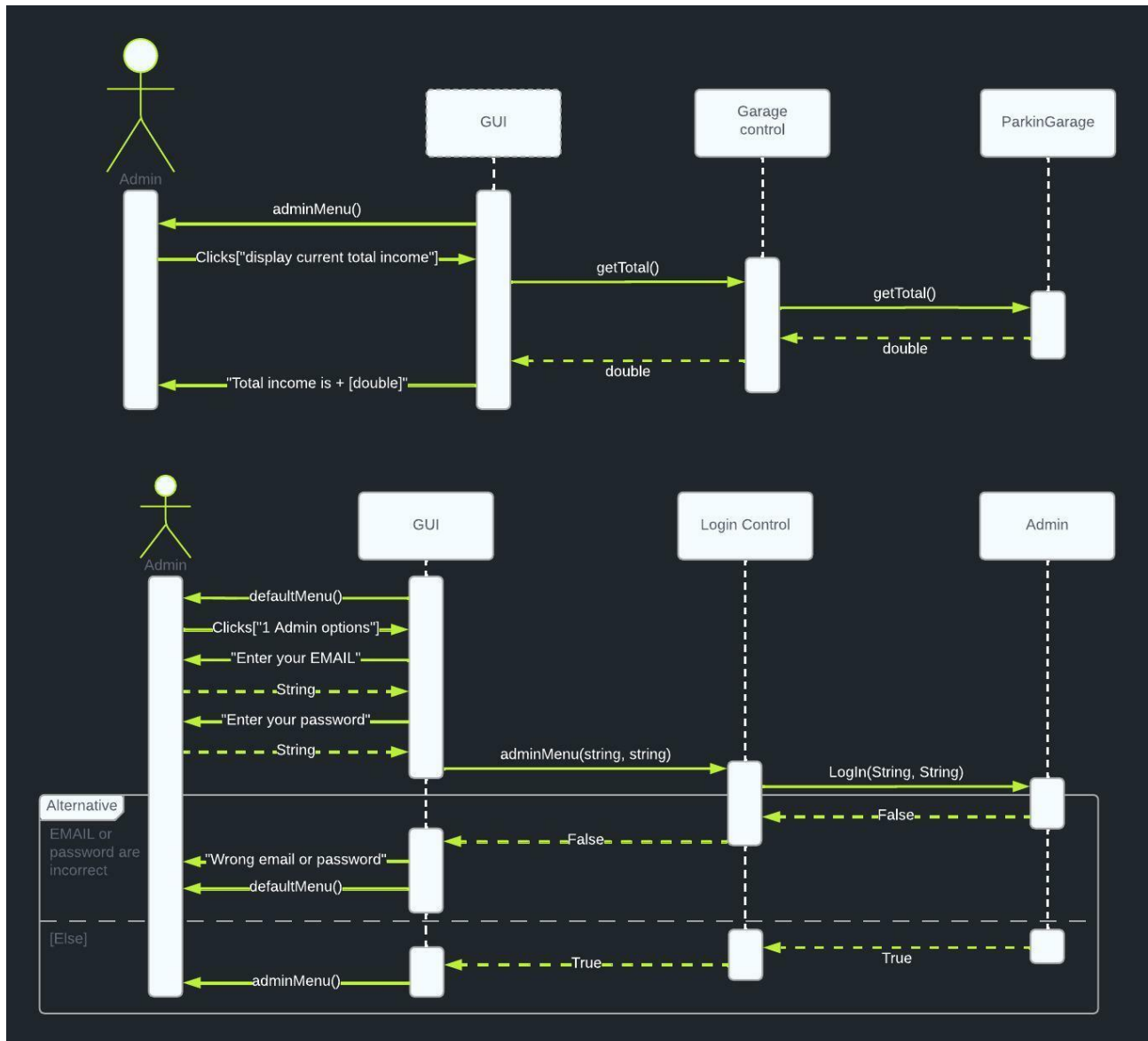
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### Important Algorithm

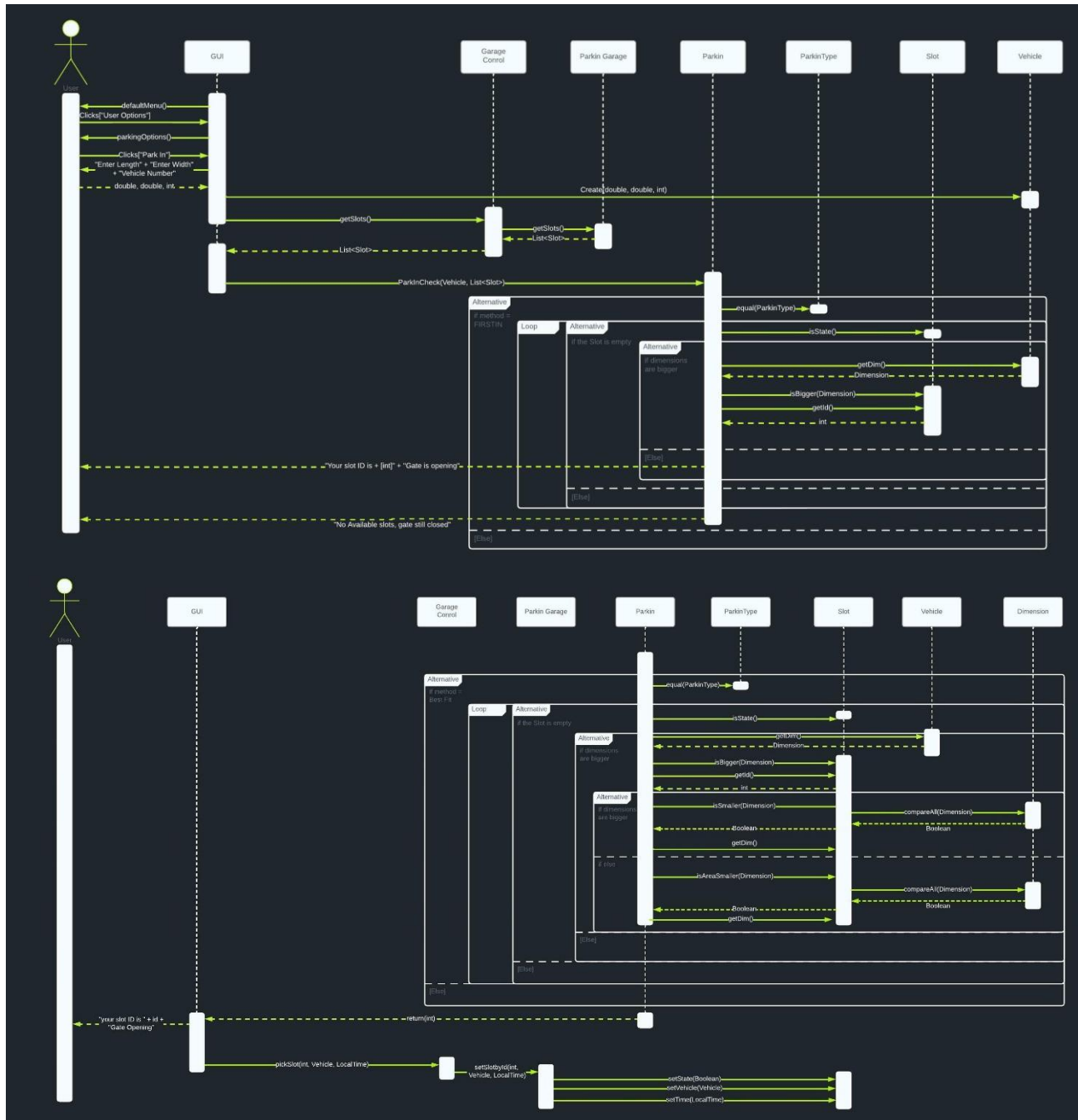
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## II. Sequence diagrams



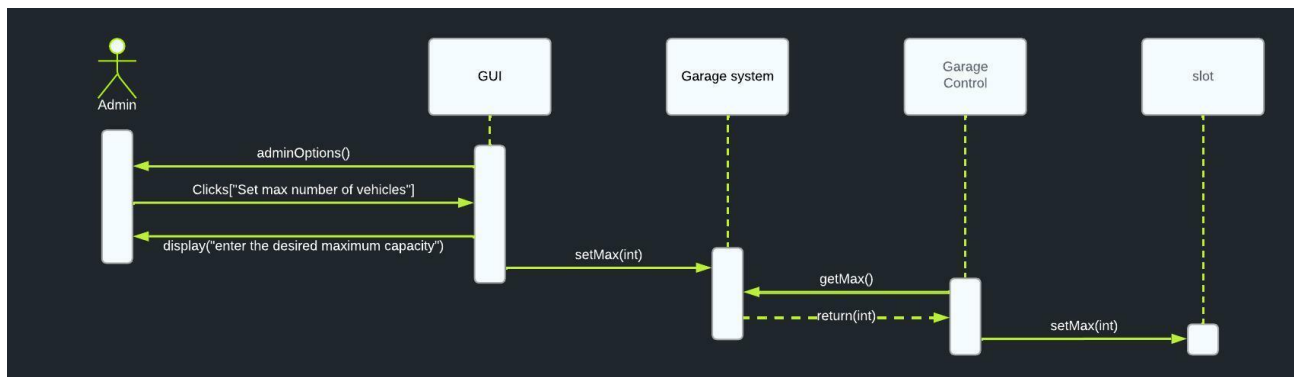
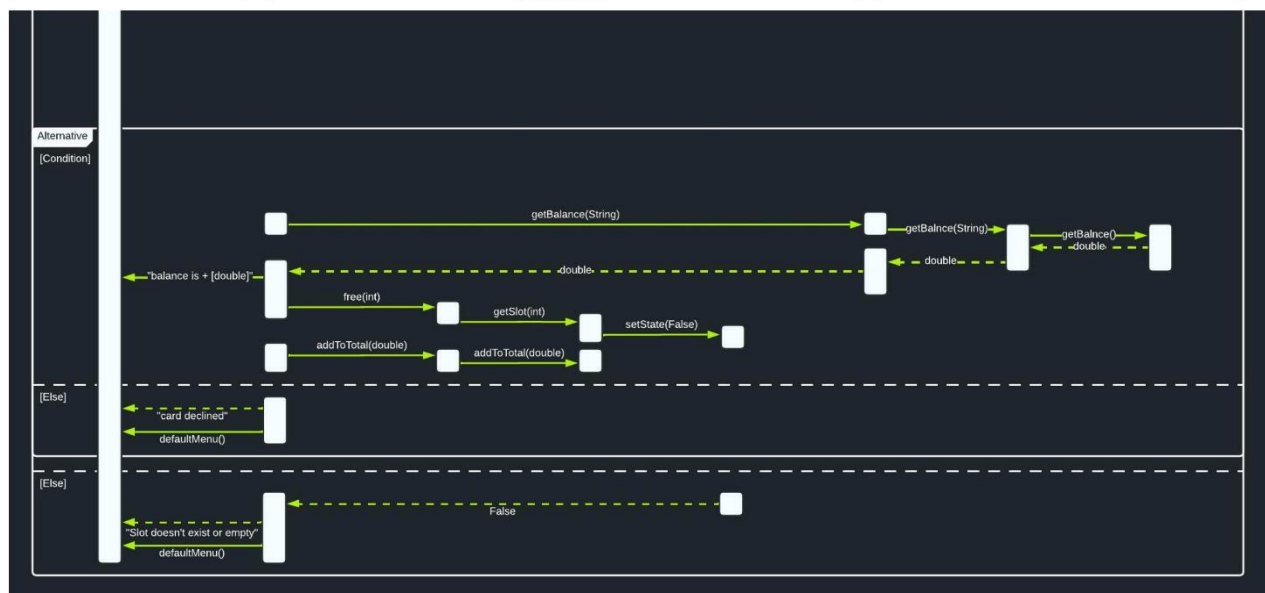
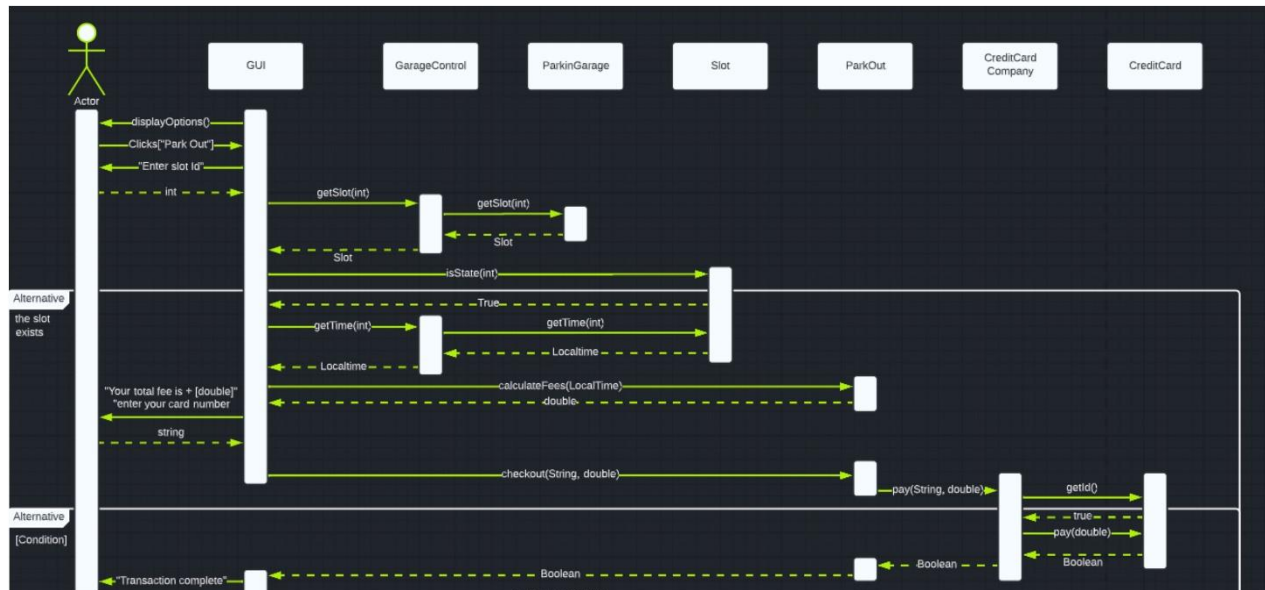
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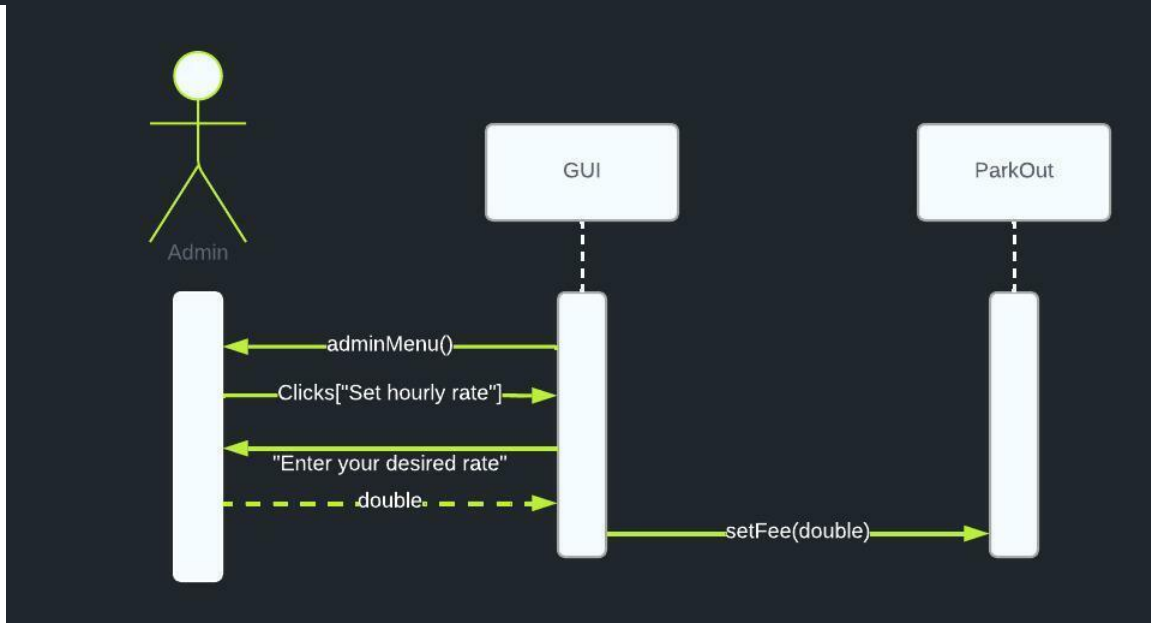
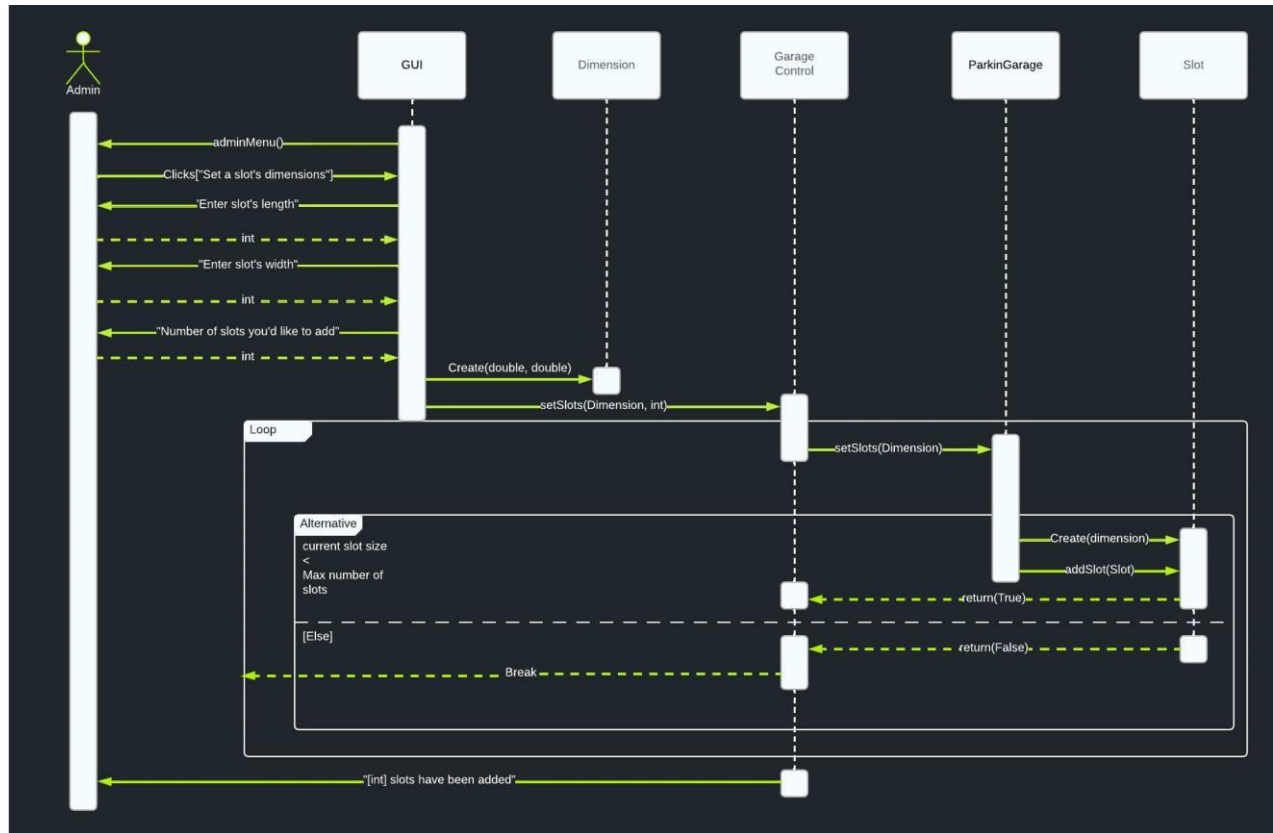
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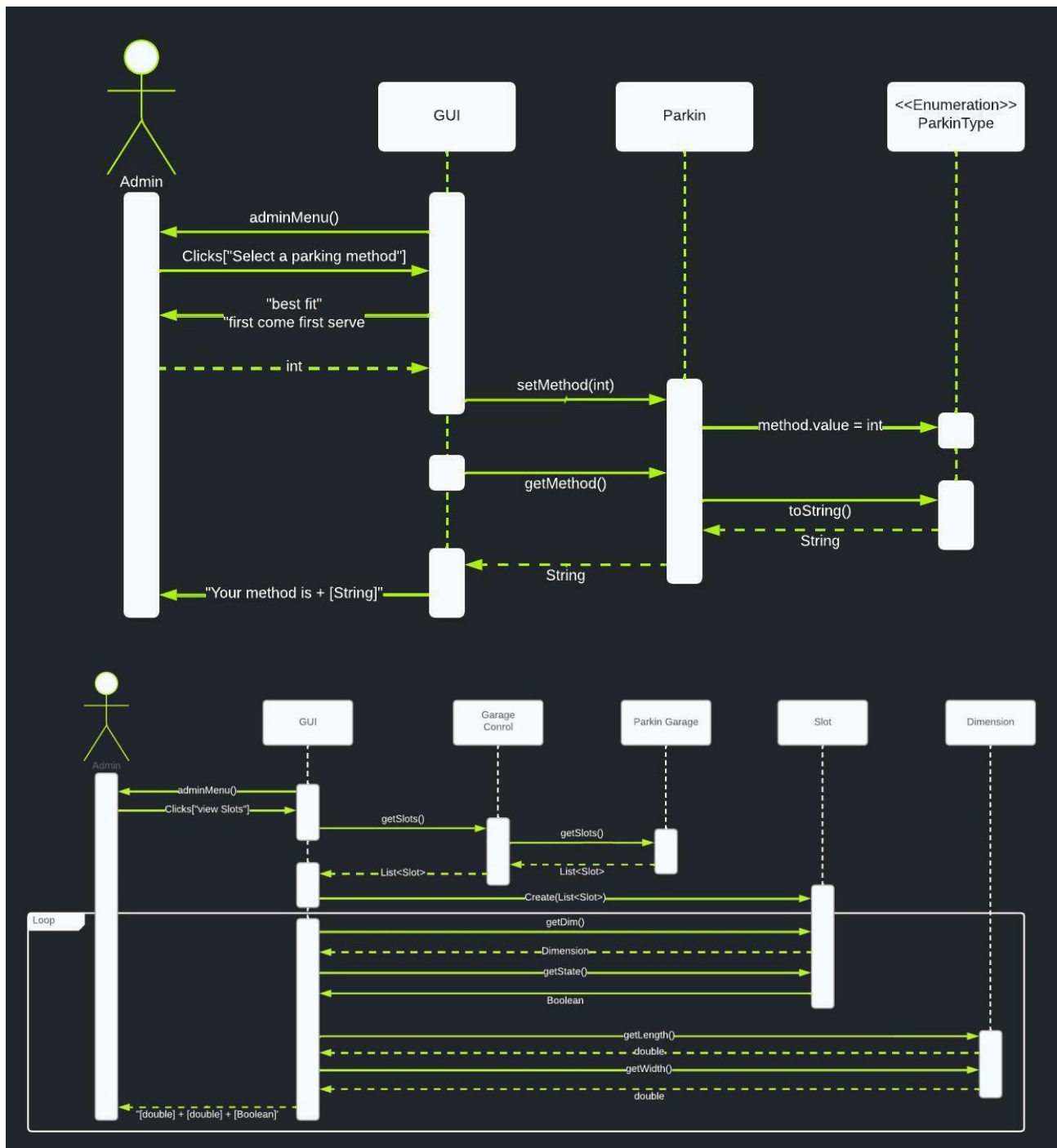
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### Class - Sequence Usage Table

### Ownership Report

Item	Owners
-Use case Descriptions (all)	Marwan Mohamed Fares saad Yahia salah
-Source Code	Fares saad Marwan Mohamed
-Use case diagram	Fares saad Marwan Mohamed Bassem Mohamed
-Class Diagram	Marwan Mohamed Fares Saad
-Purpose and introduction of document	Marwan Mohamed
-Functional and Non-functional requirements	Marwan Mohamed
-Sequence Diagram	Fares saad Marwan Mohamed
Class - Sequence Usage Table	Fares saad Marwan Mohamed Bassem Ismail Yahia Salah

### Policy Regarding Plagiarism:

**Students have collective ownership and responsibility of their project. Any violation of academic honesty will have severe consequences and punishment for ALL team members.**

1. تشجع الكلية على مناقشة الأفكار و تبادل المعلومات و مناقشات الطلاب حيث يعتبر هذا جوهرية لعملية تعليمية سليمة
2. ساعد زملاءك على قدر ما تستطيع و حل لهم مشاكلهم في الكود و لكن تبادل الحلول غير مقبول و يعتبر غشا.
3. أى حل يتشابه مع أى حل آخر بدرجة تقطع بأنهما منقولان من نفس المصدر سيعتبر أن صاحبيهما قد قاما بالغش.
4. قد توجد على النت برامج مشابهة لما نكتبه هنا أى نسخ من على النت يعتبر غشا يحاسب عليه صاحبه.
5. إذا لم تكن متأكدا أن فعلا ما يعد غشا فلتسأل المعيد أو أستاذ المادة.
6. فى حالة ثبوت الغش سيأخذ الطالب سالب درجة المسألة ، و فى حالة تكرار الغش سيرسب الطالب فى المقرر.