

Cairo University
Faculty of Computers and Information



CS251

Software Engineering I

GoFo

**Software Requirements
Specifications**

Version 1.0

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CS251: Phase 1 – The Avengers

Project: GoFo

Software Requirements Specifications

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Team

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Document Purpose and Audience

- This document focuses on reducing the time and effort for booking a playground.
- It serves everyone interesting in booking a playground also the playground owners.

Introduction

Software Purpose

- The purpose of this software is to make it easy for those who want to book a playground by saving time and effort.

Software Scope

There are some major features for this software:

- Display the available playgrounds.
- Display the available time slots for these playgrounds.
- Display the location for these playgrounds.
- Display the size and the price for the available playgrounds.



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Definitions, acronyms, and abbreviations

| | Description |
|---------|--|
| Slot | It is the way the time is measured in the playground. Slot = 1 hour. |
| State | It is the condition of each slot in the playground. It can be “Taken” or “Available”. |
| Suspend | It means that the playground is stooped from work may be from The complains or form other issues. |

Requirements

Functional Requirements

- Making a profile.
- Register a playground.
- Active a playground.
- Change playground available slots.
- Display available playgrounds.
- Filter available playgrounds.
- Set favorite team.
- Booking a playground.
- Selecting a free slot.
- Calculate the total price.
- Update the state of the booked slot.
- Delete a playground.
- Suspend a playground.



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Non Functional Requirements

| | Details |
|-------------|--|
| Performance | <ul style="list-style-type: none">• Activate a playground, Change playground slots, Update the system, Delete a playground and Suspend a playground will be done in 1 to 10 seconds. |
| Platform | <ul style="list-style-type: none">• This software will work on both Ios & Android. |