Cairo University

Faculty of Computers and Information
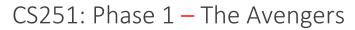
CS251

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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Software Requirements Specifications

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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.

Software Requirements Specifications

Definitions, acronyms, and abbreviations

	Description
Slot	It is the way the time is measured in the playground. 1 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 stopped from work may be from complaints or from other issues.

Requirements

Functional Requirements

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

Software Requirements Specifications

Non Functional Requirements

	Details
Performance	• 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	• This software will work on both iOS & Android.