Cairo University  
Faculty of Computers and Information



**CS251**

**Software Engineering I**

GoFo

Software Requirements Specifications

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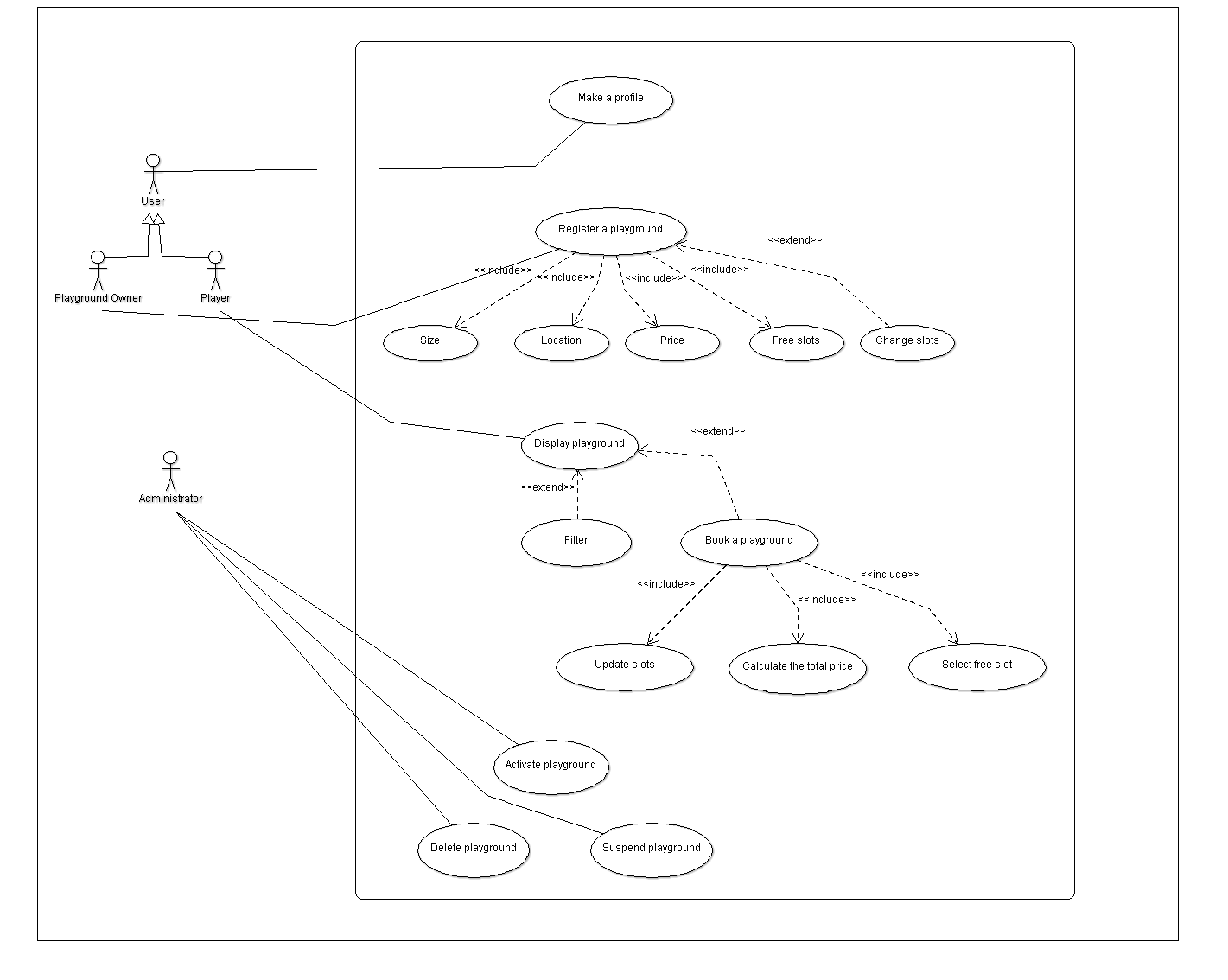
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# Team

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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.

## 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.

## 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. |

# System Models

## Use Case Model

# D:\UseCaseDiagram.png