Cairo University

Faculty of Computers and Artificial Intelligence

CS251

Software Engineering I

GoFo

Software Design Specifications

Version 0.0

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Edited by Mohamed Samir, Updated to V2.0 by Mohammad El-Ramly 10/4/2020 and V3.0 25/5/2021   **| 2**

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Team

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Document Purpose and Audience

- The purpose of this document is to clarify the working of this project "Go football" and how it works.
- We 'll list the important key figures in the project to ensure that the client will work perfectly.
- This document is intended for product owner, clients (playground owners, players).

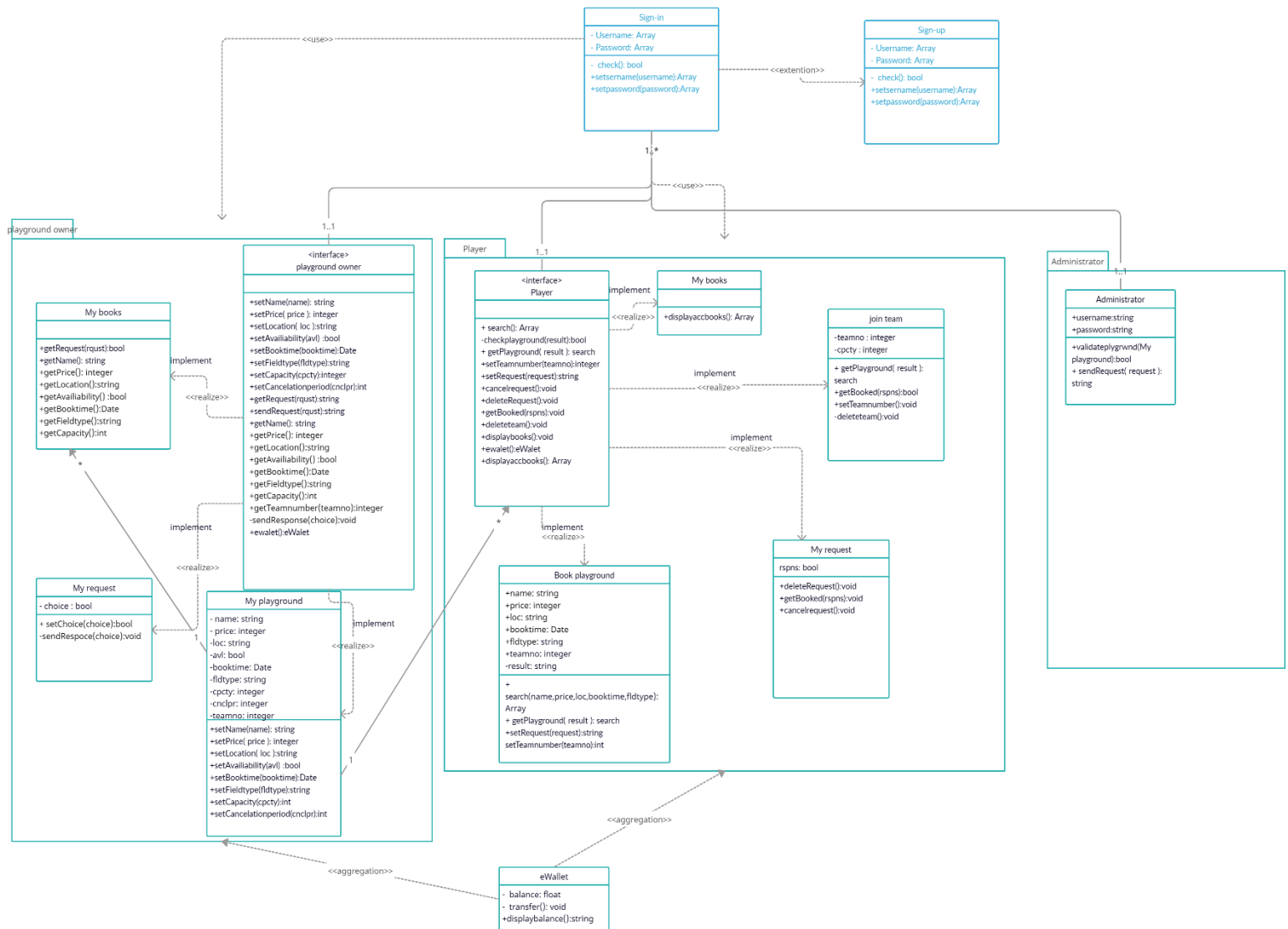CU – FCAI – CS251 Introduction to Software Engineering – 2020 - Software Design Specifications
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System Models

I. Class Diagram(s)

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II. Class Descriptions

Class ID	Class Name	Description & Responsibility
1.	Sign up	It is used to create an account for the first time, whether for the player or the playground owner
2.	Sign in	Used to log in to the account
3.	Playground owner	Contains playground owner informtions ,his playgrounds , the requests to the grounds and the books
4.	My playground	Display the informations of the playground and the books for it
5.	My books	Display all the books for any playground belongs to the play groundowner
6.	My requests	Display the requests to the playground made by the players
7.	Player	Contains player informtions ,his books ,his requests ,join team class and book playground class
8.	My books	Display the books for the player
9.	My requests	Displays the requests made by the player
10.	Book playground	Used until a player searches for a playground and submits a request to reserve it
11.	join team	A player uses it to search for a team if he doesn't have a team
12.	Administrator	Verifies that user information is correct
13.	eWallet	It is used for financial transactions between the player and the playground owner

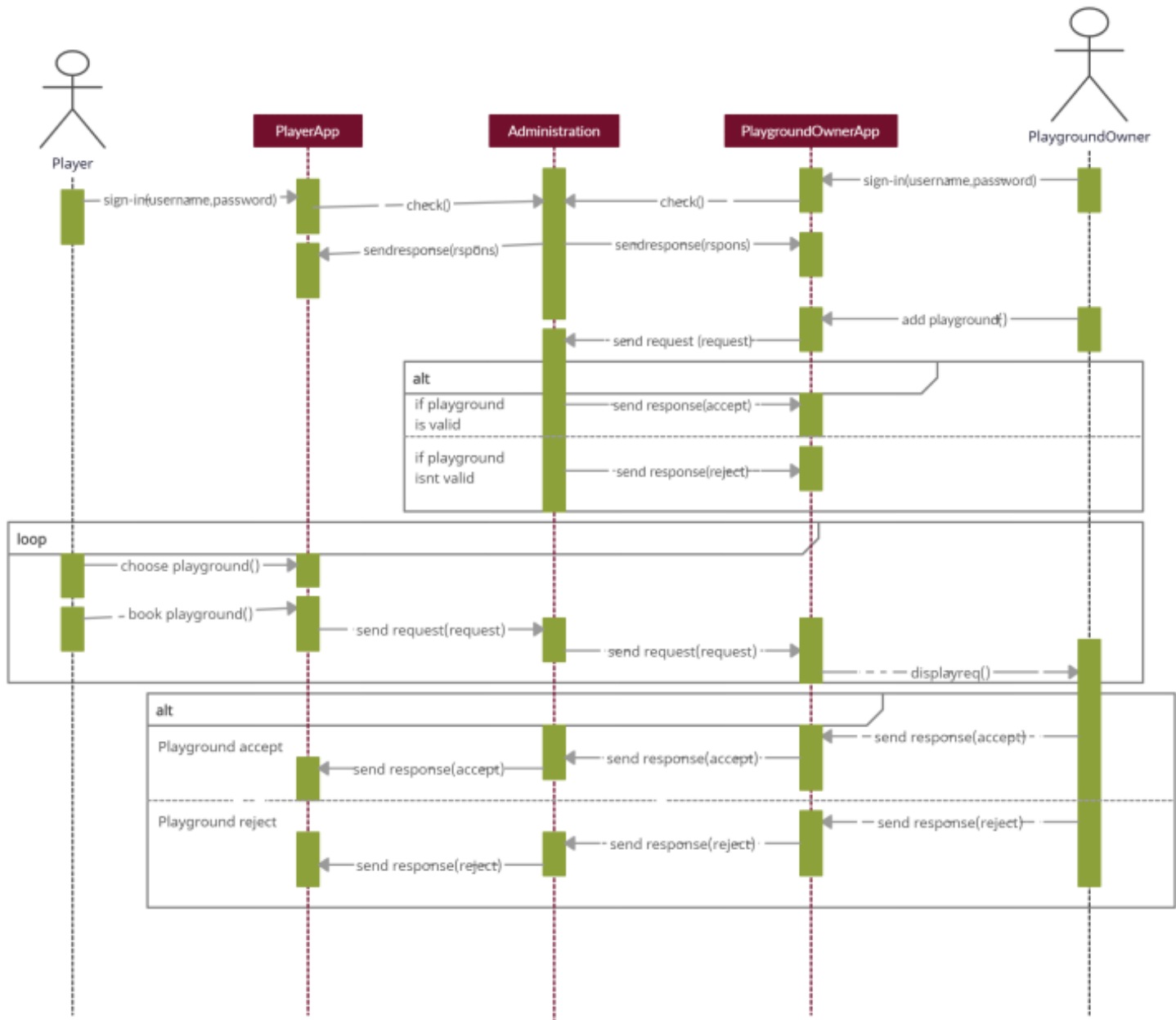**CU – FCAI – CS251 Introduction to Software Engineering – 2020 - Software Design Specifications**
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III. Sequence diagrams

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Class - Sequence Usage Table

Sequence Diagram	Classes Used	All Methods Used
1. Playground owner,player system	Class Player Class Playground owner Class Administrator	Methods sign in Methods check Methods sendresponse Methods add playground Methods send request Methods choose playground Methods book playground Methods send request Methods displayreq

IV. State Diagram

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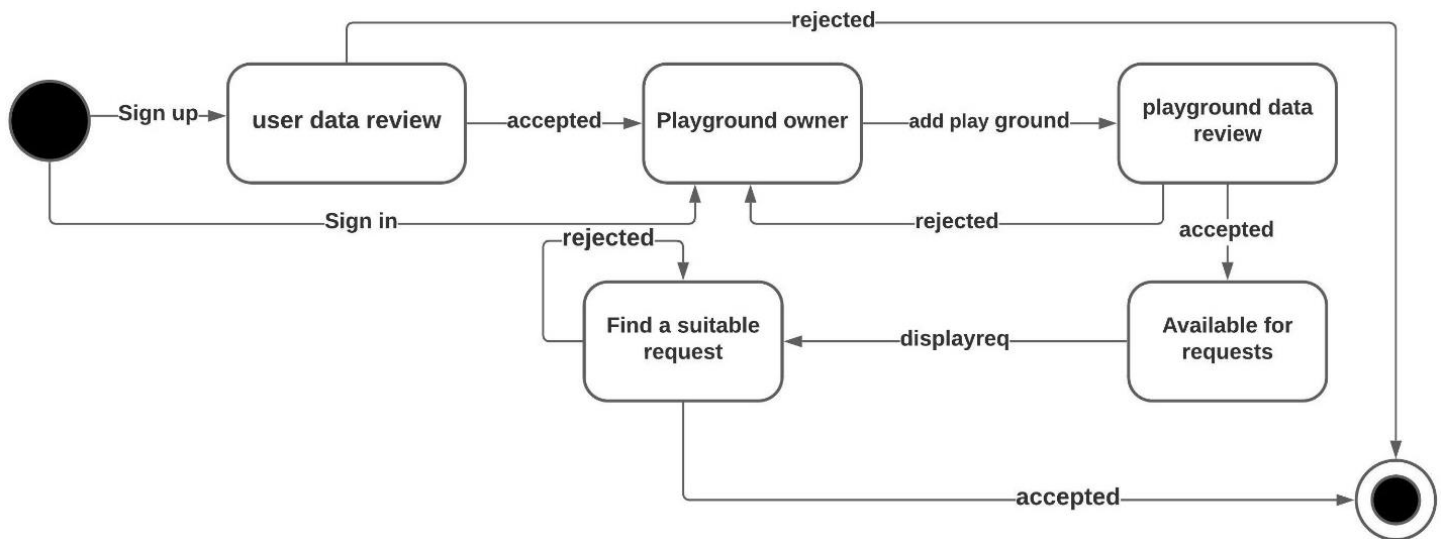
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Project: GoFo

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Tools

- Creately: Chart, Diagram & Visual Workspace Software to drew UML

Ownership Report

Item	Owners
Marwan Mohamed Abd Elmonem	Fill out the word file ,Draw state Digram ,Java code ,Java doc
Mohamed Ashraf Hassan	Draw the Sequence diagrams ,java code ,Java doc
Youssef Hisham Mohamed	Draw the Class diagrams ,java code ,Java doc

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