CS251

Intro. to Software Engineering

Project Name

Software Requirements Specifications

Version 1.0

Team Names and Emails and Phone of Team Leader

Month & Year

CS251: Phase 1 – Team Name
Project: <Project Name>

Software Requirements Specifications

Contents

Software Requirements Specifications

Team

ID	Name	Email	Mobile
20190531	Mostafa Sayed Ibrahim	mostafa01001659277@gmail.com	01147377950
20190071	Ahmed Mohamed Mahmoud Mohamed	Ahmedmohamed01012079289@gmail.com	01012079289
20190062	Ahmed Mohamed El Sayed Ibrahim	20190062@stud.fci-cu.edu.eg	01027709271

Document Purpose and Audience

- This document is a GO football System , it is connect with player , owner and admistrator about booking particular playground.
- All age groups from 7 to 50 years old, especially males are excepted to read it.

Software Requirements Specifications

Introduction

Software Purpose

- Ease of reserving the stadium and determining which stadium the user must choose and choose the most appropriate dates for him and the distance of the stadium.
- The owner can organize the schedule to reserve the stadium and collect money online.
- It serves the players and playground owners as well.
- Anyone can register himself on the system and create a profile.

Software Scope

- We will create a program that helps the stadium owner display his stadium for reservation and collect the price of his reservation online, and help the player to reserve and choose the. appropriate stadium for him, and allow the owner of the application to implement a penalty on the stadium owners when using wrong methods in the reservation.
- And the program has nothing to do with transportation for the players, it has nothing to do with the distance of the stadium from the player, and it has nothing to do either with whether the players attend or not.

Definitions, acronyms, and abbreviations

The term	Details
Playground owner	• This is the person who wants to register his playground, then he requests registering a playground and adds its name, its location, its size, the available hours, the price per hour and the cancellation period.
The administrator	• has the right to delete a playground or suspend it, this is usually the case if the owner does some fraudulent activities.
An eWallet	• is an electronic payment system used to allow players to pay for the bookings they make and allow ground owners collect their money, It is externally connected with a service like Fawry.
Player	• This is a person who is interested in booking a playground, And he can choose the stadium according to the place he wants, its size and the hourly rate in it.

Software Requirements Specifications

Requirements

Functional Requirements

Description of the system:

- An GO_FO allow you to book playground for playing football with your friends from home , you can choose your playground ,time ,distance and pay money by eWallet.
- Playground owner can organize table of booking and collect money.
- Administrator can ensure that is no fraud takes place .
- Surely , no one can enter to system without register in a system.

Requirements:

- Class owner: register himself , create profile , register playground and location, set of Reservation dates and he can change it , check e_wallet to collect money.
- Class administrator: register himself , create profile, he have accessibility to delete or suspend a particular reservation , check e_wallet to collect money and see the profile of player.
- Class player: register himself , create profile, booking playgrounds, filter them by the hours, date he selects, affordable, nearest distance ,pay the money of book by e_wallet, he can book an hour or more if was available, Selecting the free time he wants, Calculating the total price and he can send invitation to his team members via email, choose the type of playground(general, special) and area of playground.
- Class e_wallet: withdraw , deposit and contact with other services like Fawrey.

Non Functional Requirements

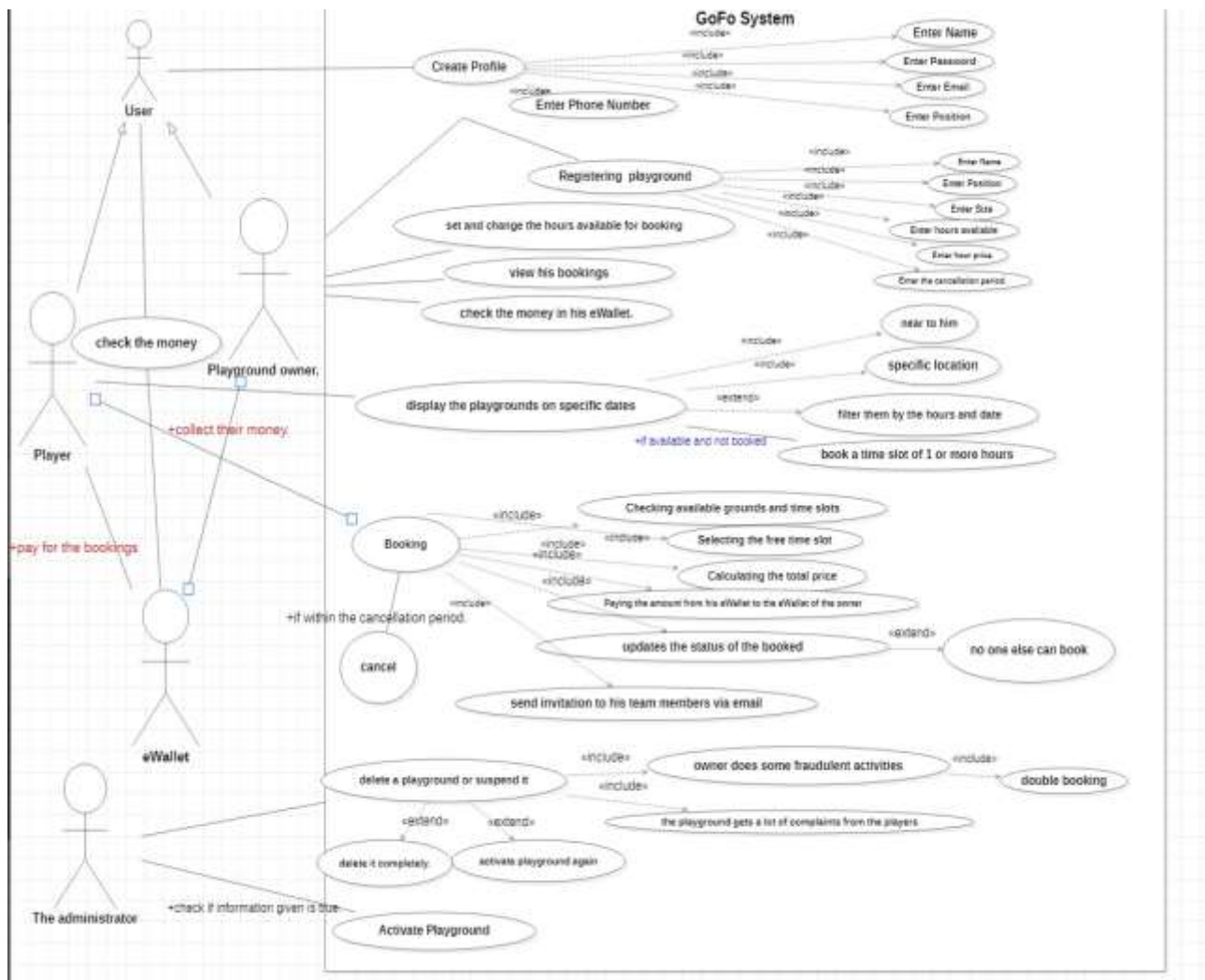|	Details
Performance	• Register operation and booking play ground are done within 10 seconds.
Scalability	• System support up to 200 player during booking.
security	• Player has no right to see profile of other players. • No one outside the system can use system unless register in a system. • No one can control about e_wallet so it is so Almost impossible to hack it.
Usability	• The system is so easy and not need from user to learn how using it , so the system take you step by step from open system to booking playground.
Portability	• Administrator can move between canceling or suspending the reservation, or seeing the accounts of the registered players in the system with ease, as he does not need to take some steps to move from one option to another.
Maintainability	• If you have any problem you can ask help and our Technicians will help you step by step even end your problem.

Software Requirements Specifications

System Models
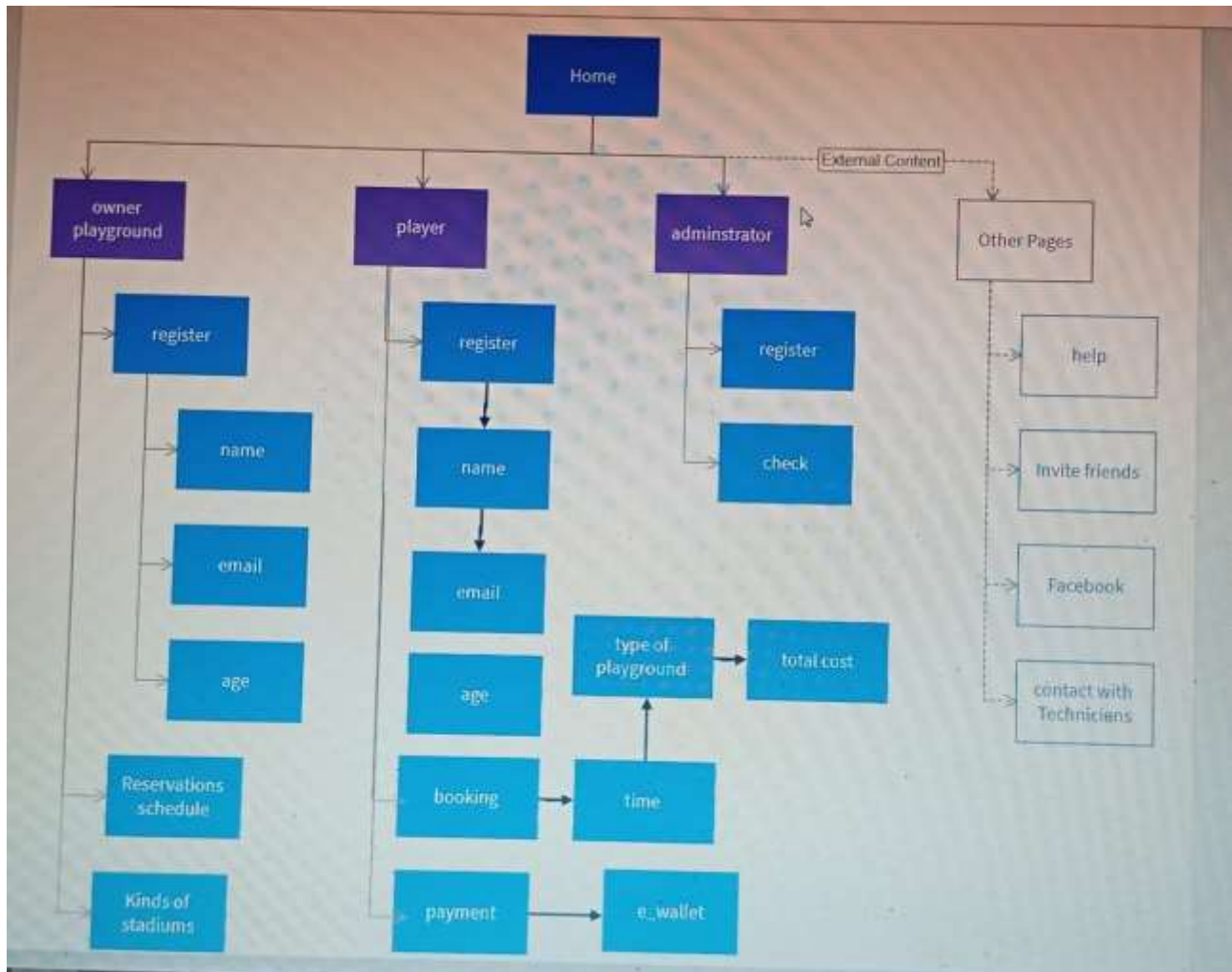
Use Case Model

CS251: Phase 1 – Team Name
Project: <Project Name>

Software Requirements Specifications

System Navigation Map

Tools

- **We are using to develop the design StarUML**

Ownership Report

Student	Items he created
Mostafa Sayed Ibrahim	Part of introduction
Ahmed Mohamed Mahmoud Mohamed farag	Part of requirments
Ahmed Mohamed El Sayed Ibrahim	Part of Use case model

Software Requirements Specifications