Chapter 1 : Introduction

1.1 Introduction:

First of all, Let us know what information system is?

At 1993, Sauer argued that some people will see it as a expense , others as a solution , a control mechanism or a threat to the quality of working life.

At 2002 Laudon defines information system as a set of interrelated components that collect or retrieve process , store, and distribute information to support decision making , coordination and control in an organization

For us our information system is a Players Zone for providing people who are looking for book a playfield.

1.2 Project Overview:

This Project has been chosen to solve a problem facing people who are can't find a playground to play in. Many people, who are suffering from this problem are searching for places, playground, clubs, they are facing a problem of time, effort and money wasting. Even if they found what they are searching for, they may find the prices not suitable for their budget.

So, in this project we decided to get all of their needs in just one place in the customers' hands. We let the client choose from variety of places, playgrounds and clubs to book whatever they want and see all the information about it. In addition, we provide the shortage in clubs. Our goal is to provide a full comfort for our customers "time saving, saving transportation fees and car fuel, choosing among variety of things in a very little time.

The website main idea is to connect people who want to play football with clubs and playfields that are empty and want people to make reserves

1.3 Problem Definition:

The players are looking everywhere to play in playing field, sometimes they are suffering from shortage of playing fields. So we are helping who have shortage in playing fields and the people who are looking forward to play football.
 These problems and difficulties are summarized in:

- **Time Consuming:**

  It takes a lot of time to search for playfield, and clubs... etc. For example; They must get into the clubs to see if any club or playfield have a hour to play

- **Money Wasting:**

  Car fuel or transportation fees, all of these are wasting of money. For example; the players is wasting time on going to club or playfields to reserve a 2 or more hours for playing

- **Much effort:**

  They might get bored and tired of moving all over the country searching for their needs and they might not find what they are searching for.

- **Absence from activities:**

  It causes deduction from playfields due to the absence from their school or college.

  All these problems need to be solved, so we decided planning our project to help solving them as possible as we can.

1.4 Project Functions:

This website is to provide an easy way for dealing between customers, clubs & playfields

• **For Customers:**

- The customer will enter his own information like (Username, Password, Mobile Number, Address...) to create his account.

- Then he will get into the site, Categories will appear in front of him, so he can do a reservation through searching for team if he is alone to play with them, or challenge a team if he have one.

- ability to joining any club (depends on their policies) or acadmey for training football.

- Scrolling latest soccer world news.

• **For Admins:**

- Username and password are provided to admins of the site.

- Add clubs and playfields and available hours

- Admin has the authority to add or edit or delete playfields.

- Admin has the authority to accept or delete reservations.

1.6 Project objectives & Aims:

To save the customer's money, time and effort, so they can find all their needs in one place, instead of going to clubs or playfields with possibility of not finding these a place.

➢ Our site be reachable for people in Cairo and other governments.

➢ To reach a large number of rare clubs or playfields for large people who needs this reservation.

➢ Dealing with sponsors to finance our site and help us be more popular

1.7 Project scope:

The system will be used by the people who are willing to make a reservation in clubs or playfields. Players Zone system will be available for all people and will provide them with different information from any internet enabled device

1.8 Software & Hardware Requirements (Tools & Languages) :

✓ **System tools:**

A. Designing tools:

1. Bootstrap:

Bootstrap is a free front-end framework for faster and easier web development. Bootstrap Includes HTML and CSS based design templates for forms, buttons, tables, navigation, modals, image carousels and many other, as well as optional JavaScript plugging Bootstrap also gives you the ability to easily create responsive designs

2. Adobe Photoshop:

Photoshop is software that allows manipulating photos, creating designs or modifying photos to fit it to your taste. We used it to create logos, watermarks

In Adobe Photoshop you can create flyers; books cover designs, brochure designs, and various other branding and marketing materials for business. Such as, you can design real estate property flyer from concept and even from scratch. But this required Artistic Adobe Photoshop skills to create and design flyer up to the standard.

3. **Draw Io**

   is a free diagramming application that allows customers to create and
   share diagrams within a web browser, customers are able to create and
   edit a variety of diagrams including flow charts, use case diagram,
   activity diagrams , ERD diagram and more .

B. **Developing tools:**

- **Apache server: (XAMPP):**

   Apache is the most widely used web server software. Developed and
   maintained by Apache Software for free. It runs on 67 Foundation,
   Apache is an open source software available % of all web servers in
   the world. It is fast, reliable, and secure. It can be highly customized to
   meet the needs of many different environments by using extensions
   and modules. Most Word Press hosting providers use Apache as their
   web server software. However, Word Press can run web server
   software as well. Also, this is server program that can used to run the
   PHP code through the server.

C. **Database tools:**

- **PhpMyAdmin: (XAMPP):**

   Is a tool written in PHP that aimed to maintain the administration of
   MySQL over the web? It can create or drop databases.
   Create/drop/alter tables and views, delete / edit / add fields.
   Development is backed up by the PhpMyAdmin

   .

- **Used Languages:**

1. HTML:

HTML (Hypertext Markup Language) is the set of markup symbols or codes inserted in a file intended for display on a World Wide Web browser page. The markup tells the Web browser how to display a Web page's words and images for the customer. Each individual markup code is referred to as an element .Some elements come in pairs that indicate when some display effect is to begin and when it is to end.

2. CSS:

CSS stands for Cascading Style Sheets, it describes how HTML elements are to be displayed on screen, paper, or in other media, CSS saves a lot of work. It can control the layout of multiple web pages all at once.

3. Bootstrap:

Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains CSS- and JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components.

4. Java script:

JavaScript is a programming language that allows you to implement complex things on web pages — every time a web page does more than just sit there and display static information for you to look at — displaying timely content updates, or interactive maps, or animated 2D/3D graphics, or scrolling video jukeboxes, etc.

You can bet that JavaScript is probably involved. It is the third layer of the layer cake of standard web technologies, two of which (HTML and CSS) we have covered in much more detail in other parts of the Learning Area.

5. PHP:

PHP (recursive acronym for PHP: Hypertext Preprocessor) is a widely-used open source general purpose scripting language that is especially suited for web development and can be embedded into HTML This is programming code that used to make communication to that database and to make the site dynamically.

1.9 Existing Systems:

Here, the investigations of a chosen system will be represented playfootball.com.au . During the unfolding of system details of technology, architecture, business requirements, strength, weakness ...etc.

A. Play football:

Play football lets you reserve playing field online and also access field of coaching or referees or to find a club if you are a professional player

system scope:

An online football reservation allows the player or customer to select their required category online by choosing their desired field. This website contains a list of categories of various fields as coaching or refereeing or to be a player in a club near you if you are a professional player.

Technology:

Dynamic web information system provides updated and accurate

information to both Staff and stakeholders. Modern IT technologies are used within the system integration and database management to provide as much information as the system can to the end customers.

♣ *User Environment:*

The user will be accessing the system via a connection to the Internet whatever data or Wi-Fi

1.10 Project schedule

Task	Assigned to	Duration	Start	Finish
introduction	Ahmed tarek	1	11/17/2020	11/18/2020
Project overview	All the team	1	11/18/2020	11/19/2020
Problem definition & project function	Shrouq, habiba	1	11/19/2020	11/20/2020
Project objectives and aims , Hardware and software tools	Roweda , sham	1	11/21/2020	11/22/2020
Existing systems , project schedule , swot analysis	All team	1	11/23/2020	11/23/2020

1.11 swot anaylsis

SWOT	Kick off	Play Football
Strengths	1- Variety of categories 2- Low startup risk 3- Good customer care & satisfaction **4-** Follow up with customers	1- Has variety of items and categories. 2- The website can be visited for free without download downloaded. 3- Can be accessed by clients via any browser.
Weaknesses	1- High overhead expenses 2- Low profit at first. 3- No reputation in the market	1- They have no app so, customers with android or ios devices can't be able to access it. 2- High cost of developing.
Opportunities	1- New Technologies 2- Innovation in what we present to keep 3- customers attraction 4- Our business sector is expanding, with many future opportunities for success.	1- It can easily expand and add new features. 2- Feedbacks and reviews. 3- Few competitors.
Threats	1- Increasing Competition 2- Limited staff with big work-loaded already. 3- Cost of Technology investment	1- Losing customers for competitors. 2- Online comparison shopping (Price vs. Value).
Websites		https://www.playfootball.com.au/