



University of Asia Pacific

Department of Computer Science and Engineering

Course Title: Software DEVELOPMENT

Course Code: CSE 410

Final project report and CEP Mapping

Submitted to
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Section: A1

Index

Topic	Page
Project name	01
Members	01
CEP mapping	01-04
Objective	05
Problem Definition	05
Benefits of the project	05
Design model of solution/ Complex Engineering Problem Solution	06-07
Risk Analysis	08
Final Project	08-14
Deployment	15

Project Name: Book the Turf

<https://github.com/shakhawat009/terf-booking-system>

Project Members:

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Complex Engineering Problem mapping (P,K,A,)

How Ps are addressed through the project and mapping among Ps, COs and POs

Ps	Attribute	How Ps are addressed through the project
P1	Depth of Knowledge Requirement	<ul style="list-style-type: none">• Our project requires study of research• Looking for available turf from who want to give rent• engineering design & development• knowledge of software engineering and database management
P2	Range of Conflicting Requirement	wide-ranging or conflicting technical, engineering and other issues
P3	Depth of Analysis Required	So far obvious solution
P4	Familiarity of Issues	CSE students are not really acknowledged with marketing issue
P5	Extent of applicable codes	Generate proper solution of this project model based on generative adversarial network.
P6	Interdependence	Creating Model

Addressing Complex Activities (As) through the project.

AS	Attribute	How As are addressed through the project
A1	Range of Resources	In development stage, the project requires the use of diverse resources including different type of technologies:
A2	Level of interaction	By using this project model analyse the main focus to turf placement and cost management
A4	Consequences for society and the environment	consequences in a range of contexts, characterized by difficulty of prediction and mitigation
A5	Familiarity	Can extend beyond previous experiences by applying principles-based approaches

CO-PO mapping for this project

CO No.	CO(Project) Statements: Upon successful completion of the course, students should be able to:	Corresponding POs (Appendix-1)
CO1	Explain key issues and solutions of html design and database management.	1,2, 3,12
CO2	Use the industrial state of method of marketing strategies.	4
CO3	Use a modern/popular IDE (Python language based)	5
CO4	Understand concept of professional ethics, confidentiality, industrial standards, risk benefit analysis and explain the impact of engineering solutions in social safety, data safety, and welfare	6,7,8
CO5	Maintain distributed and collaborative software development, maintenance.	9,10,1

Appendix-1:**Washington Accord Program Outcomes (PO) for engineering programs:**

No.	PO	Differentiating Characteristic
1	Engineering Knowledge	Breadth and depth of education and type of knowledge, both theoretical and practical
2	Problem Analysis	Complexity of analysis
3	Design/ development of solutions	Breadth and uniqueness of engineering problems i.e. the extent to which problems are original and to which solutions have previously been identified or codified
4	Modern Tool Usage	Level of understanding of the appropriateness of the tool
5	The Engineer and Society	Level of knowledge and responsibility
6	Environment and Sustainability	Type of solutions.
7	Ethics	Understanding and level of practice
8	Individual and Team work	Role in and diversity of team
9	Communication	Level of communication according to type of activities performed
10	Project Management and Finance	Level of management required for differing types of activity
11	Lifelong learning	Preparation for and depth of Continuing learning.

Objective of this project: The main goal of this project is making a better solution for our necessity of open ground. We know there are very few open playgrounds available in Bangladesh. So many offices, schools and other corporate houses need open space to arrange programs. It is a hassle for them to look for one. We are here to make a bridge between playground owners and renters. Our website is for renting and hiring playgrounds. Owners can put advertisement and cost of rent of the playground. Those who want to hire can compare between rents and hire as they wish.

Project problem definition: Nowadays the internet makes our life easy. So if we can arrange a way to hire an open playground online that will make our life more convenient. Like city corporations, national sports associations have open play fields under their authority. They rent those fields to corporate houses, private schools, colleges and other institutions. Now those organisations can put their field ads on our website. On the other hand those who want to hire can compare price and hire according to their desire.

Benefits of the project:

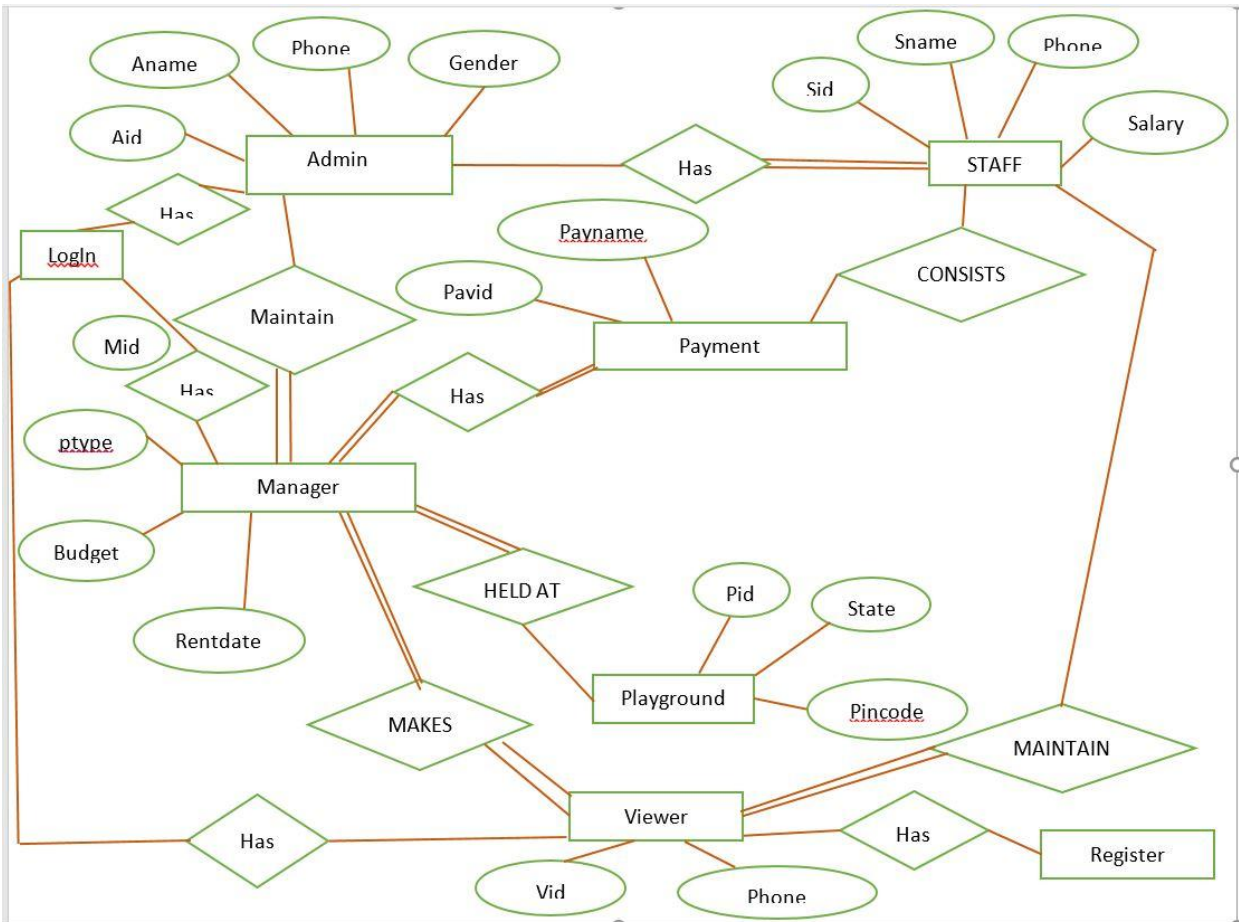
This system will be time saviour. People don't have to waste time going from one place to another to find a suitable place. Instead they can do that from home or from office

As people don't have to travel much so it will have an impact on carbon reduction. It will help to burn less fuel and as result less carbon will produce.

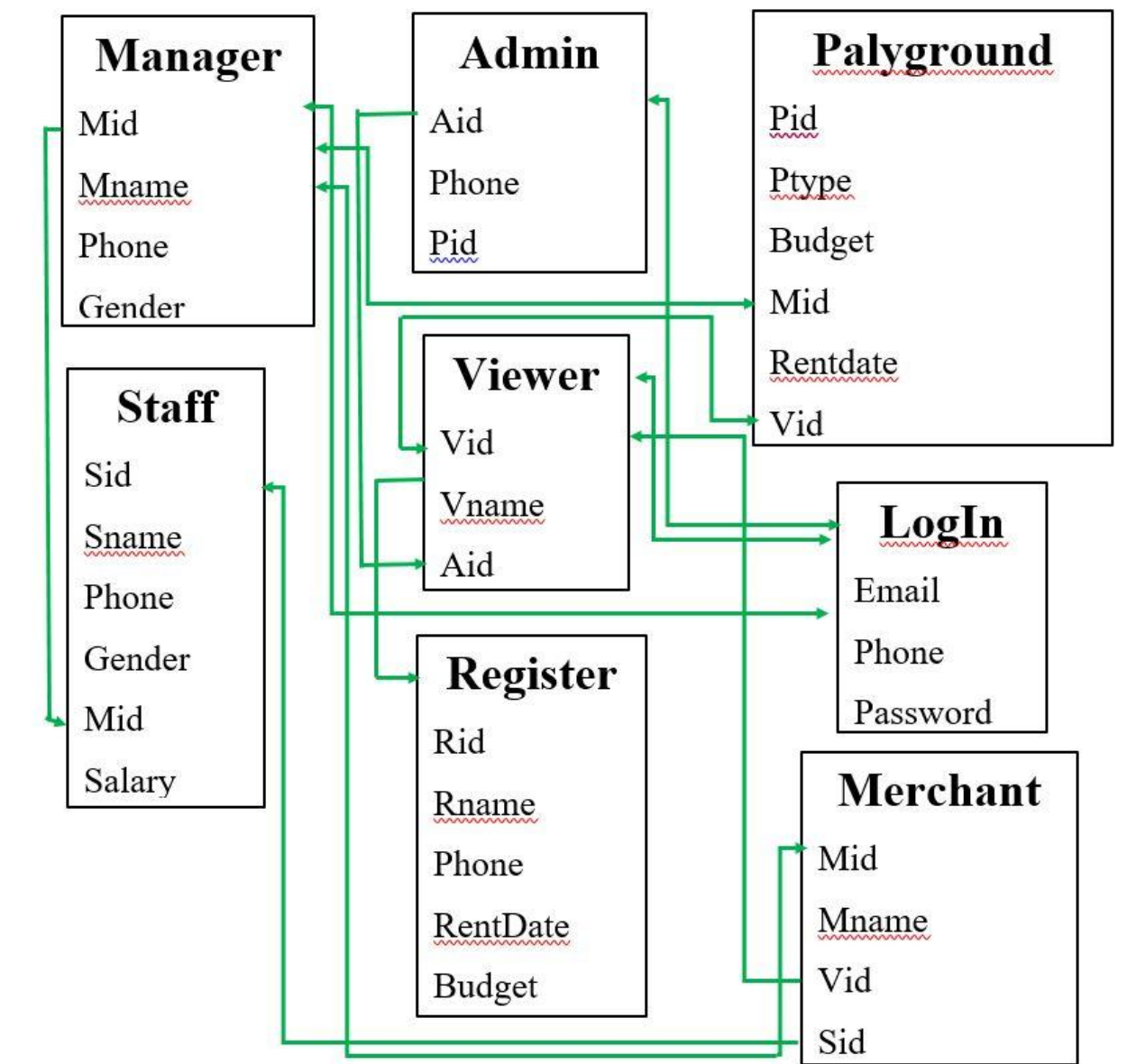
This project is very much sustainable.

Design model of solution/ Complex Engineering Problem

Solution:



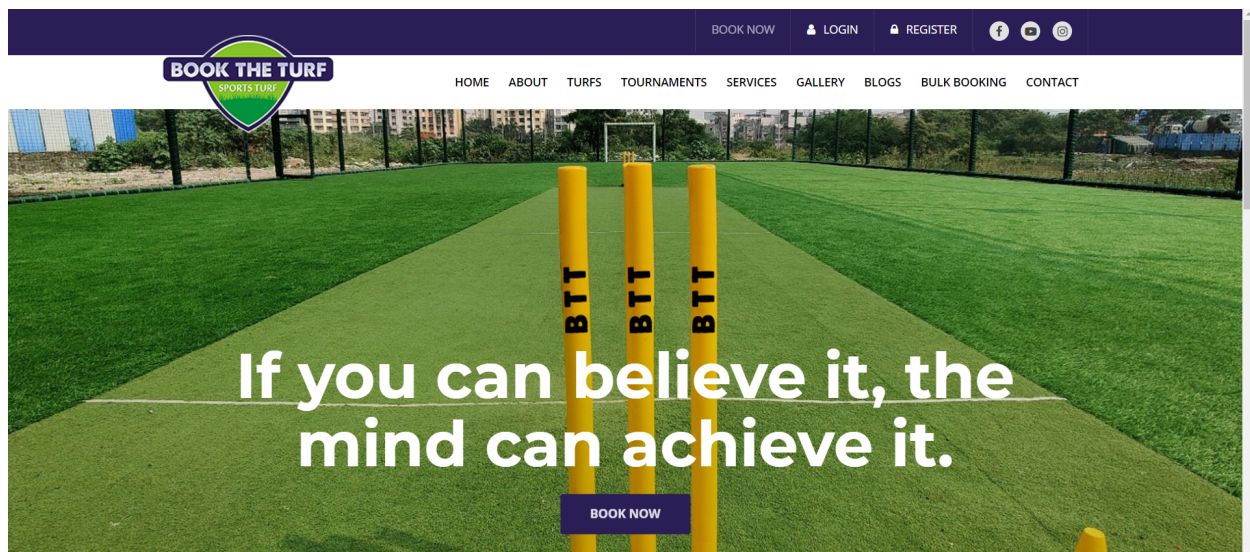
ER- Diagram



Class Diagram

Risk Analysis We faced some serious problems while doing this project. While we ran a single html page, it ran well. But while we tried to attach pages with the database, we couldn't make that happen. We need more knowledge to fulfil this project

Final Project :



Home page

Play Turf

Online PlayTurf Booking is a venture which helps the cricket & football players and the turf owners (merchant) to experience comprehensive online platform for Book-Build-Manage The Turf.

Name


Email

Password

[Login](#)

Already a member? [Login](#)


Login page




HOME ► BULK BOOKINGS

Bulk Booking


Full Name *

 Full Name


Email *

 domain@live.com

Mobile *

 Mobile

Message *

 Message

SUBMIT

Turf booking

Play Turf

Online PlayTurf Booking is a venture which helps the cricket & football players and the turf owners (merchant) to experience comprehensive online platform for Book-Build-Manage The Turf.

Name

Email

Password

Login

Already a member? [Login](#)

Activate Windows
Go to Settings to activate Windows.

Register page

ABOUT BOOKTHETURF



Book The Turf (BTT) is a Venture which helps the cricket & football Players(Users) and The Turf owners (Merchants) to experience comprehensive online platform for **Book-Build-Manage** The Turf.

Book (Online Booking)
BTT provides facility of booking the turf online which helps the players to book the turf for playing their favorite sports in their vicinity. Players can have multiple choices to check availability of turfs and time slots in their region through website and application (Android and IOS).

Build (Build The Relation)
BTT helps to build relation among the players by giving more optional availability of sports arena near your vicinity.

Manage(Turf Management Software)
BTT provides the software management tool for turf owners which helps online booking, manage and regulate multiple turfs on daily basis.

Book The Turf is the online portal and mobile app for sports enthusiasts , we integrate sports with technology to deliver a comprehensive sporting experience using location intelligence

We are helping facility owners and Turf managers ditch their paper diaries and spreadsheets. With our user-friendly booking Software, spend less time on the phone taking inquiries and watch bookings roll in. Whatever your size of operation, from one pitch to hundreds we can facilitate your needs.

We empower businesses targeting turf owners to gain clients through our online Turf booking website and Mobile app service and collaborate with our community to increase outreach.

Our mission is making it easier for everyone to play sports and increasing the utilisation of facilities as a result.

About us

Total Earing
tk 500000

Total cost
tk 100000

Total payment
tk 200000

Total salary
tk 20000

#	First	Last	Handle
1	Sajal	Ghosh	@sajal
2	anol	khan	@anol
3	soikot	talha	@talha

create a new Experience

create

Payment

Testing and Debugging: As we could not complete the whole project. So we did not run any testing on our project. We apologize for that.

Learnings from this work(Project):

- 1: Students learn how to engage in meaningful collaboration.
- 2: Students learn to see nuance and multiple perspectives.
- 3: They learn project management.
- 4: They develop a maker mindset.
- 5: They become problem-solvers and critical thinkers.
- 6: They are more likely to develop a growth mindset.
- 7: They grow more empathetic.

Deployment: To run this project we need to follow some steps.

1. We have to run the background code in any python ide.
2. We must install django.
3. Through django we can go to our webpage by any browser.
4. Finally we can see the frontend of our project.