



American International University-Bangladesh  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
Dhaka, Bangladesh

**00892 ADVANCE DATABASE MANAGEMENT SYSTEM**  
PROJECT Report  
[B][SUMMER 22-23]

## E-Sports Management System

Submitted by

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# Contents

<b>1</b>	<b>Introduction</b>	<b>1</b>
1.1	Project Proposal . . . . .	1
1.1.1	What is eSports? . . . . .	1
1.1.2	What is the problem? . . . . .	1
1.1.3	What is the solution? . . . . .	1
1.2	Project Scenario . . . . .	2
<b>2</b>	<b>Diagrams</b>	<b>3</b>
2.1	ER Diagram . . . . .	3
2.2	Class Diagram . . . . .	4
2.3	Use Case Diagram . . . . .	5
2.4	Activity Diagram . . . . .	6
<b>3</b>	<b>User Interface</b>	<b>7</b>
3.1	Technologies Used . . . . .	7
3.1.1	Login Page . . . . .	7
3.1.2	Home Page . . . . .	7
3.1.3	Tournament Page . . . . .	8
3.1.4	Team Page . . . . .	8
3.1.5	Game Page . . . . .	8

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# Introduction

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## 1.1 Project Proposal

This project is a Database Management System for eSports. The project is a website that will allow users to create an account and login. The website will allow users to interact with each other. The website will also allow users to create teams and join tournaments ...

### 1.1.1 What is eSports?

eSports is a form of competition using video games. Most commonly, eSports take the form of organized, multiplayer video game competitions, particularly between professional players, individually or as teams. Although organized online and offline competitions have long been a part of video game culture, these were largely between amateurs until the late 2000s, when participation by professional gamers and spectatorship in these events through live streaming saw a large surge in popularity. By the 2010s, eSports was a significant factor in the video game industry, with many game developers actively designing toward a professional eSports subculture ...

### 1.1.2 What is the problem?

The problem is that there is no good platform for the eSports community to interact with each other. There are many websites that provide information about eSports but there is no website that allows users to interact with each other ...

### 1.1.3 What is the solution?

The solution is to create a website that will allow users to create an account and login. The website will allow users to interact with each other. The website will also allow users to create teams and join tournaments....

## 1.2 Project Scenario

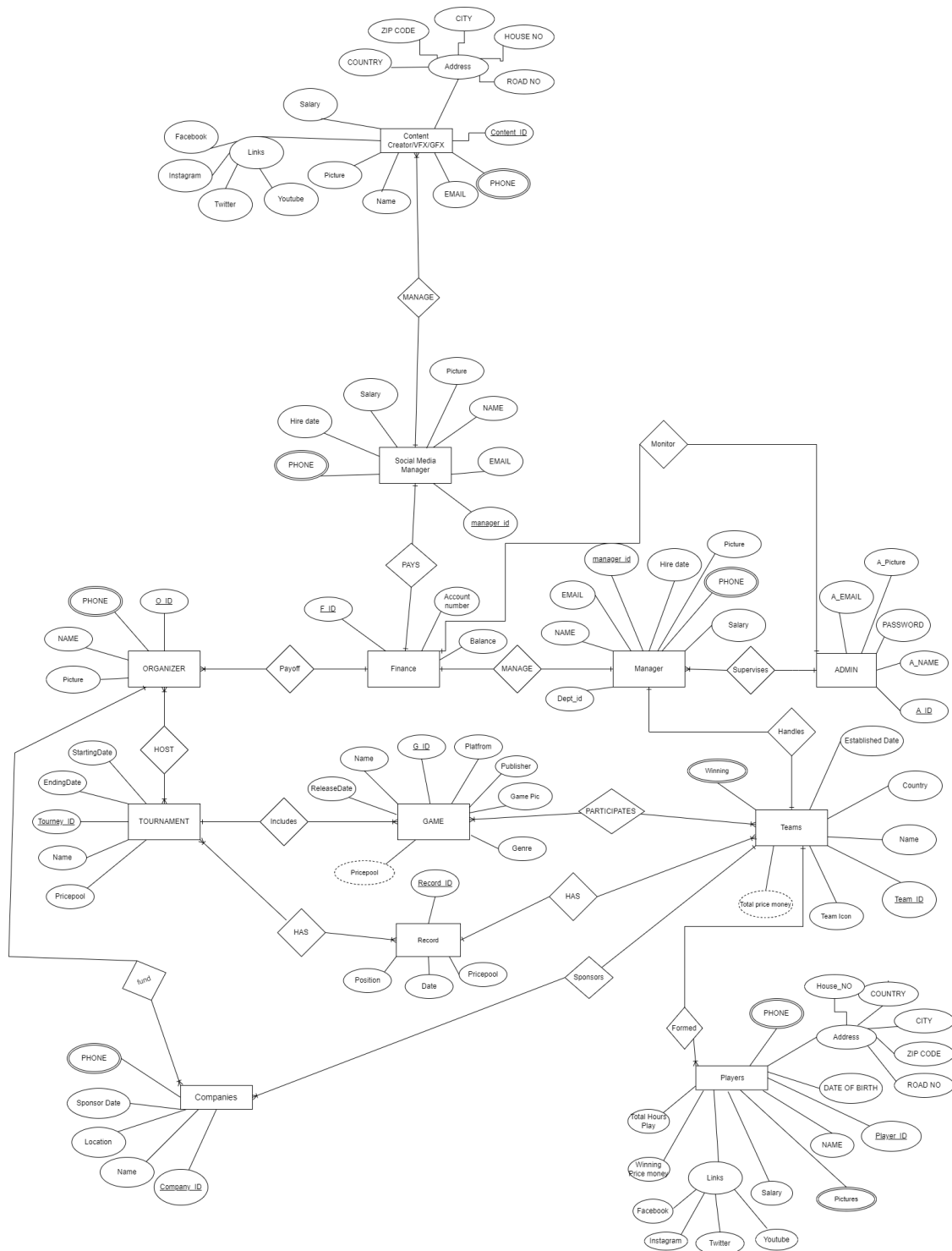
E-SPORTS FTW is a website that will allow users to create an account and login. The website will allow users to interact with each other. The website will also allow users to create teams and join tournaments. Teams has a captain and a list of players. Tournaments has a list of teams and a list of games. Games has a list of teams and a list of players. Players has a list of games and a list of teams. The website will allow users to create teams and join tournaments. The website ...

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# Diagrams

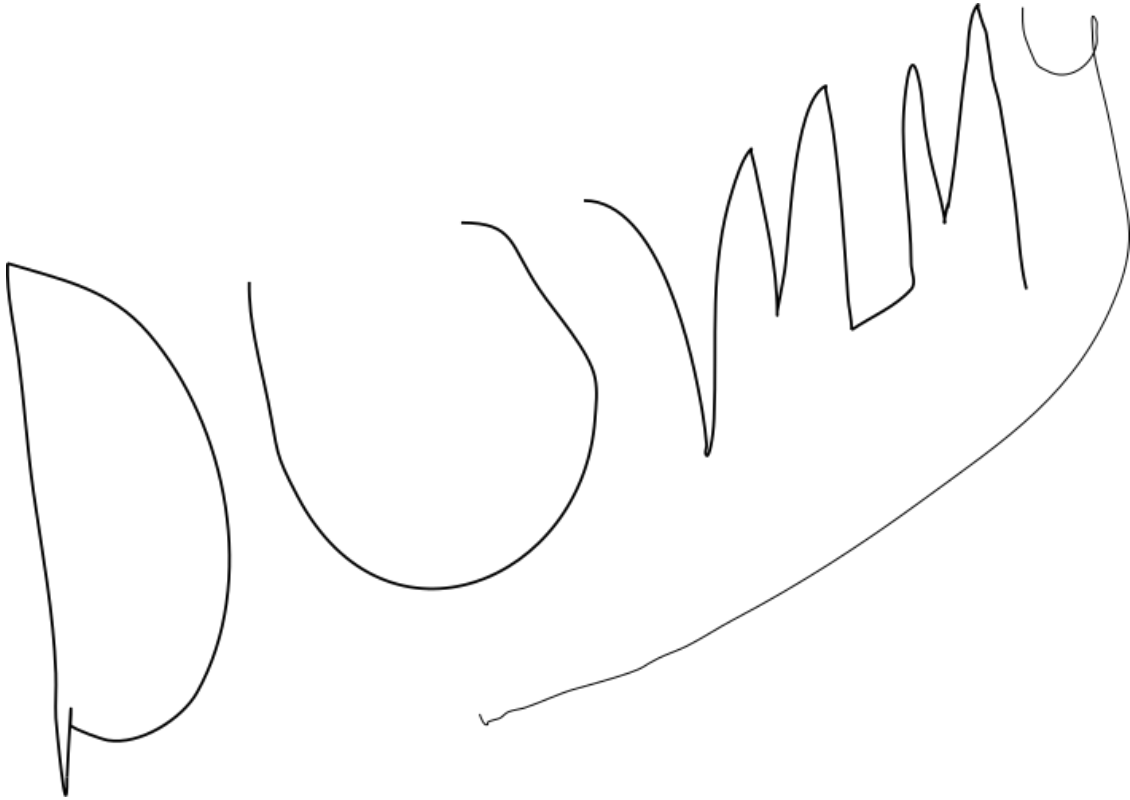
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## 2.1 ER Diagram



ER Diagram

## 2.2 Class Diagram



Class Diagram

## 2.3 Use Case Diagram



Use Case Diagram



## 2.4 Activity Diagram



Activity Diagram

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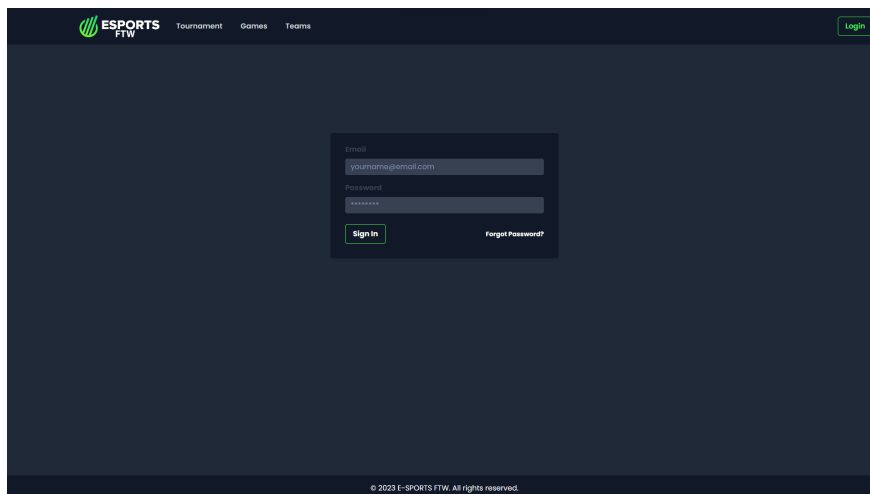
# User Interface

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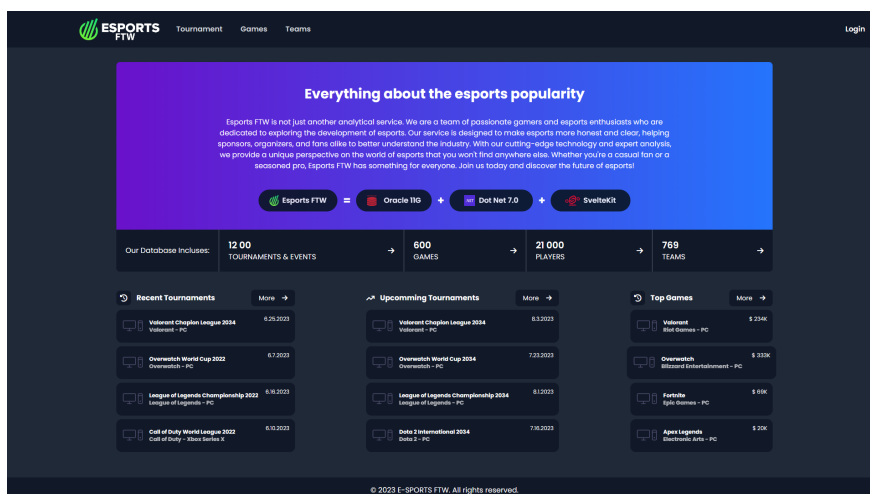
## 3.1 Technologies Used

- SvelteKit
  - Tailwind CSS
- 

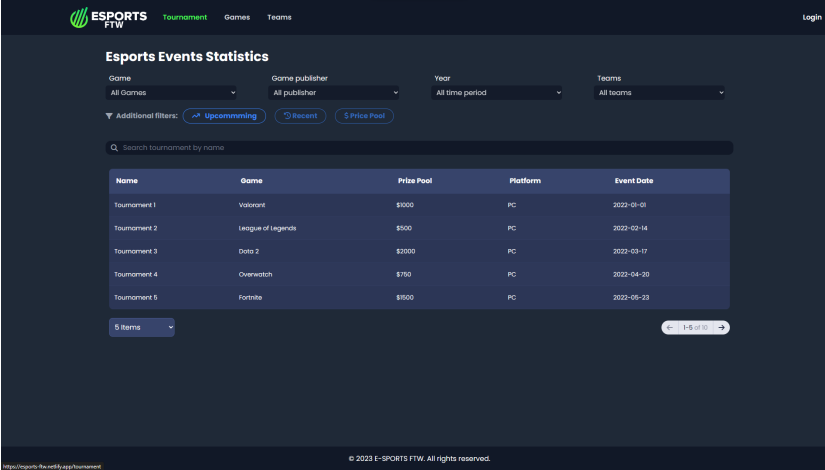
### 3.1.1 Login Page



### 3.1.2 Home Page



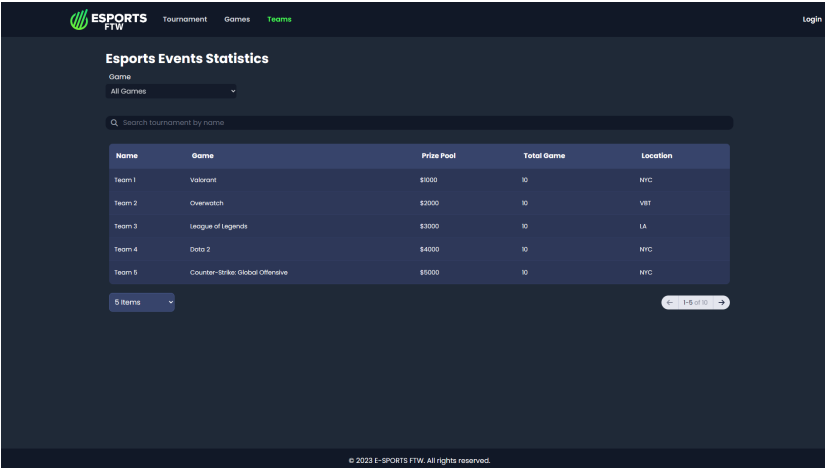
### 3.1.3 Tournament Page



The screenshot shows the 'Esports Events Statistics' page. It features a navigation bar with 'ESPORTS FTW', 'Tournament', 'Games', and 'Teams'. Below the navigation bar, there are filters for 'Game', 'Game publisher', 'Year', and 'Teams'. A search bar is present with the text 'Search tournament by name'. The main table lists tournaments with columns: Name, Game, Prize Pool, Platform, and Event Date. The table shows 5 items, with a pagination control at the bottom right.

Name	Game	Prize Pool	Platform	Event Date
Tournament 1	Valorant	\$1000	PC	2022-01-01
Tournament 2	League of Legends	\$500	PC	2022-02-14
Tournament 3	Dota 2	\$2000	PC	2022-03-17
Tournament 4	Overwatch	\$750	PC	2022-04-20
Tournament 5	Fortnite	\$1500	PC	2022-05-23

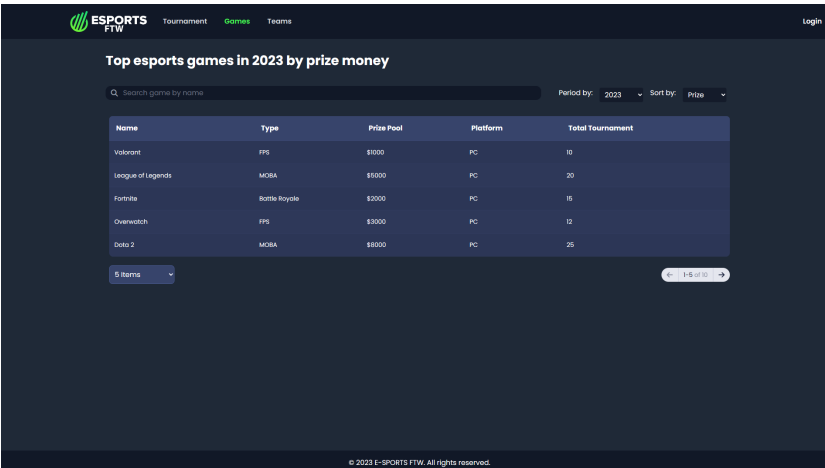
### 3.1.4 Team Page



The screenshot shows the 'Esports Events Statistics' page. It features a navigation bar with 'ESPORTS FTW', 'Tournament', 'Games', and 'Teams'. Below the navigation bar, there are filters for 'Game', 'Game publisher', 'Year', and 'Teams'. A search bar is present with the text 'Search tournament by name'. The main table lists teams with columns: Name, Game, Prize Pool, Total Game, and Location. The table shows 5 items, with a pagination control at the bottom right.

Name	Game	Prize Pool	Total Game	Location
Team 1	Valorant	\$1000	10	NYC
Team 2	Overwatch	\$2000	10	VBT
Team 3	League of Legends	\$3000	10	LA
Team 4	Dota 2	\$4000	10	NYC
Team 5	Counter-Strike: Global Offensive	\$5000	10	NYC

### 3.1.5 Game Page



The screenshot shows the 'Esports Events Statistics' page. It features a navigation bar with 'ESPORTS FTW', 'Tournament', 'Games', and 'Teams'. Below the navigation bar, there are filters for 'Game', 'Game publisher', 'Year', and 'Teams'. A search bar is present with the text 'Search game by name'. The main table lists games with columns: Name, Type, Prize Pool, Platform, and Total Tournament. The table shows 5 items, with a pagination control at the bottom right.

Name	Type	Prize Pool	Platform	Total Tournament
Valorant	FPS	\$1000	PC	10
League of Legends	MOBA	\$1000	PC	20
Fortnite	Battle Royale	\$2000	PC	15
Overwatch	FPS	\$3000	PC	12
Dota 2	MOBA	\$8000	PC	25