



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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Ideas	25%	25%	25%	25%	100(%)

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Introduction

1.1 Project Proposal

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1.1.1 What is eSports?

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1.1.2 What is the problem?

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1.1.3 What is the solution?

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1.2 Project Scenario

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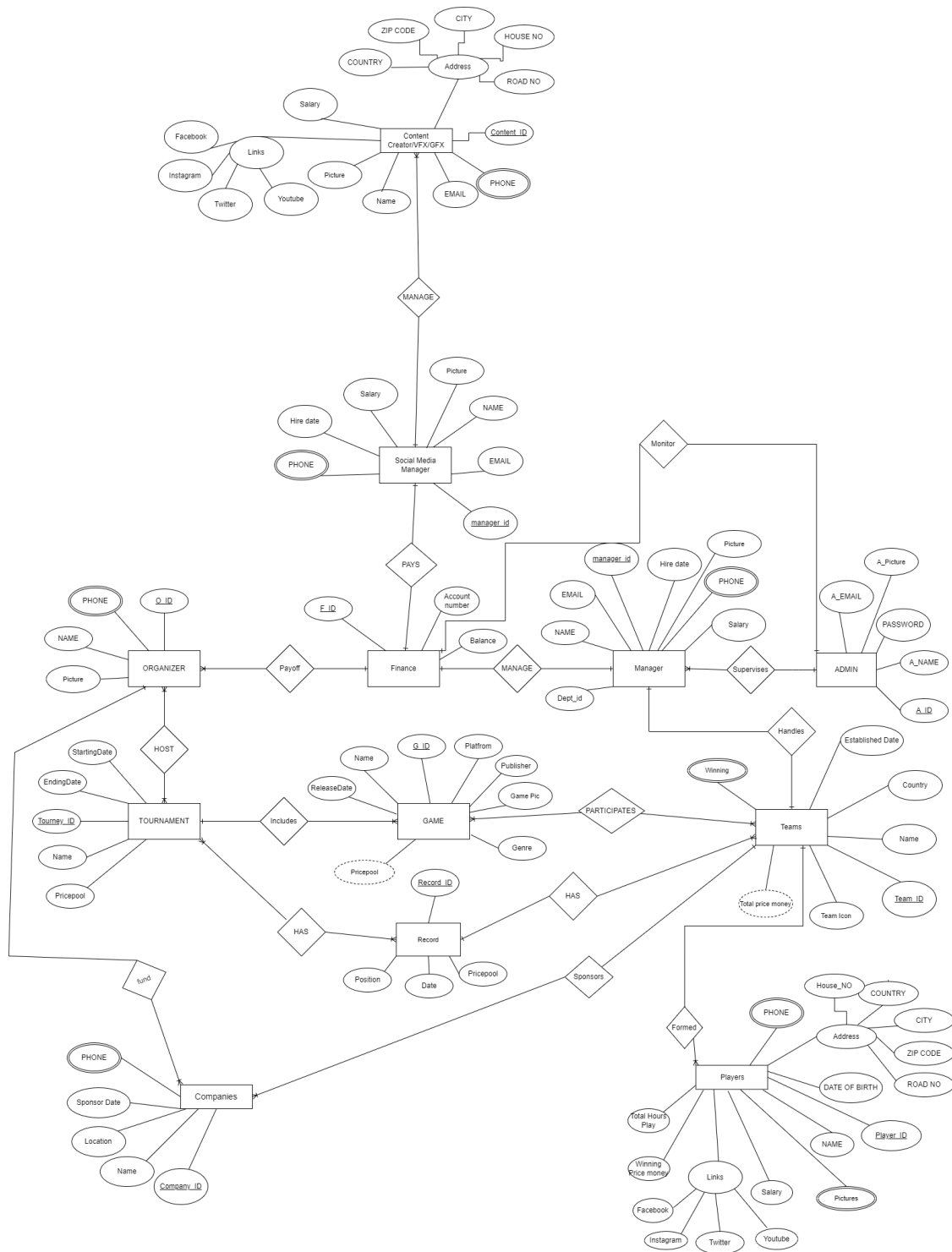
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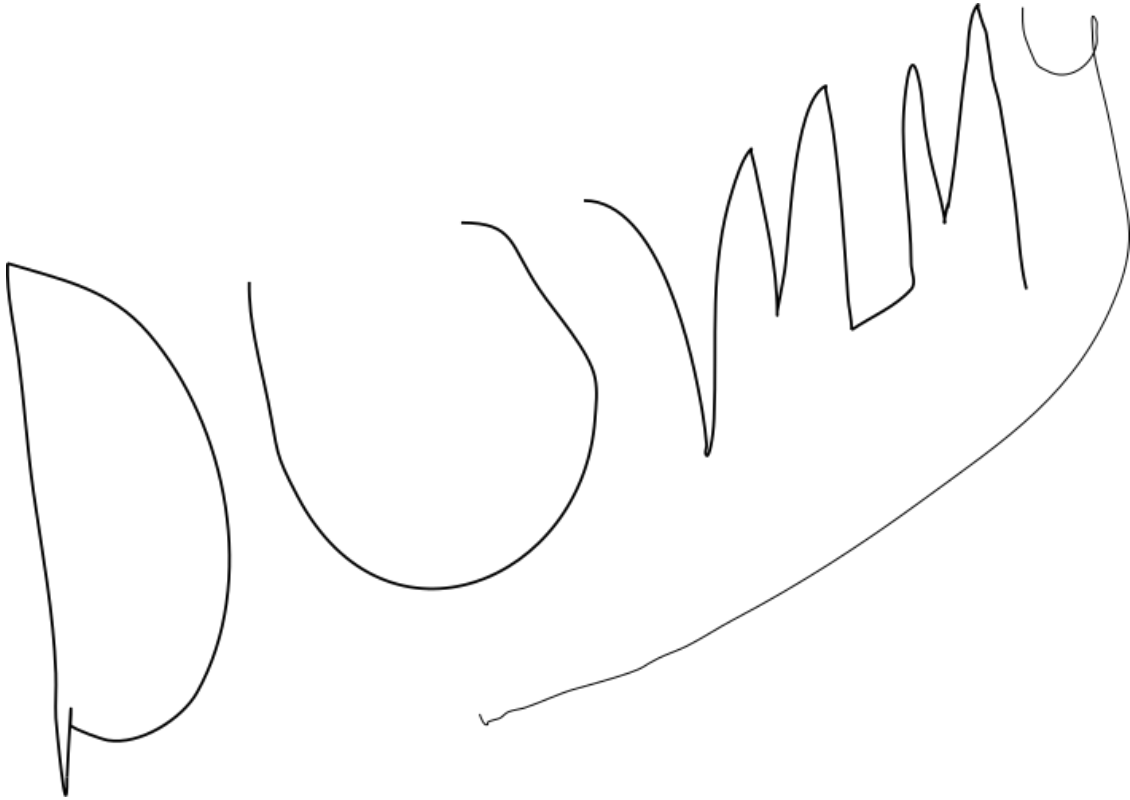
Diagrams

2.1 ER Diagram



ER Diagram

2.2 Class Diagram



Class Diagram

2.3 Use Case Diagram



Use Case Diagram

2.4 Activity Diagram



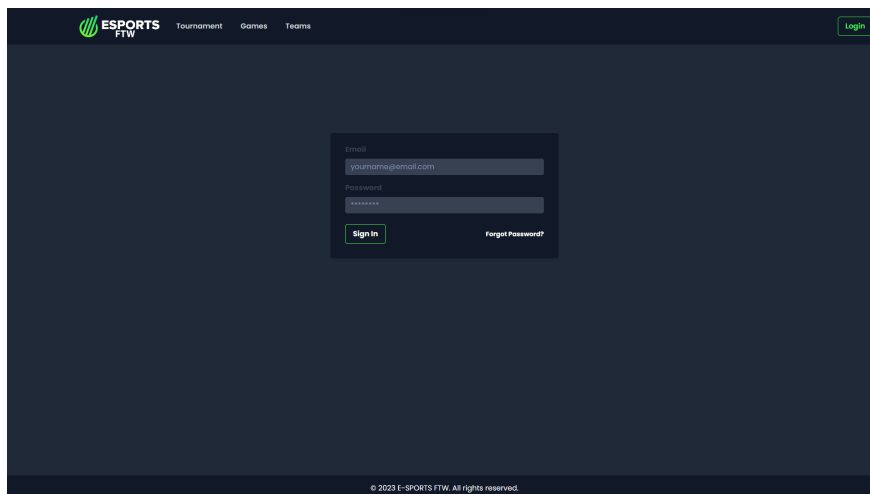
Activity Diagram

User Interface

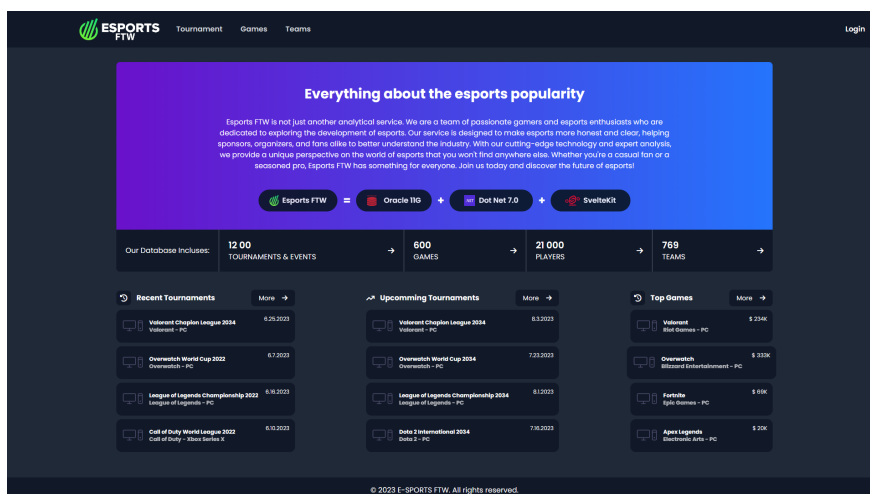
3.1 Technologies Used

- SvelteKit
 - Tailwind CSS
-

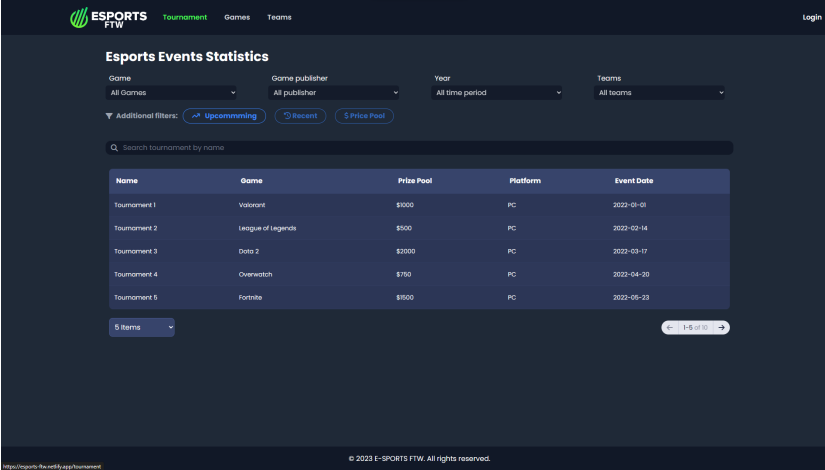
3.1.1 Login Page



3.1.2 Home Page



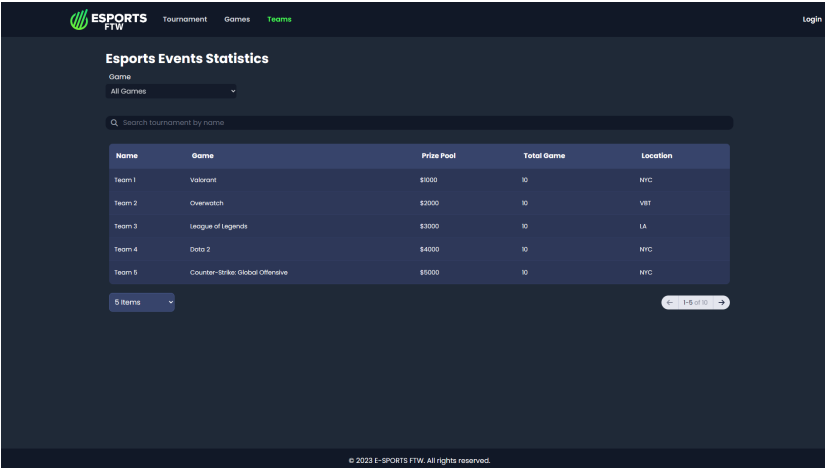
3.1.3 Tournament Page



The screenshot shows the 'Esports Events Statistics' page. At the top, there are navigation tabs: 'ESPORTS FTW', 'Tournament' (active), 'Games', and 'Teams'. A 'Login' link is in the top right. Below the navigation, there are filters for 'Game' (All Games), 'Game publisher' (All publisher), 'Year' (All time period), and 'Teams' (All teams). There are also buttons for 'Additional filters', 'Upcoming', 'Recent', and '5 Price Pool'. A search bar 'Search tournament by name' is present. 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

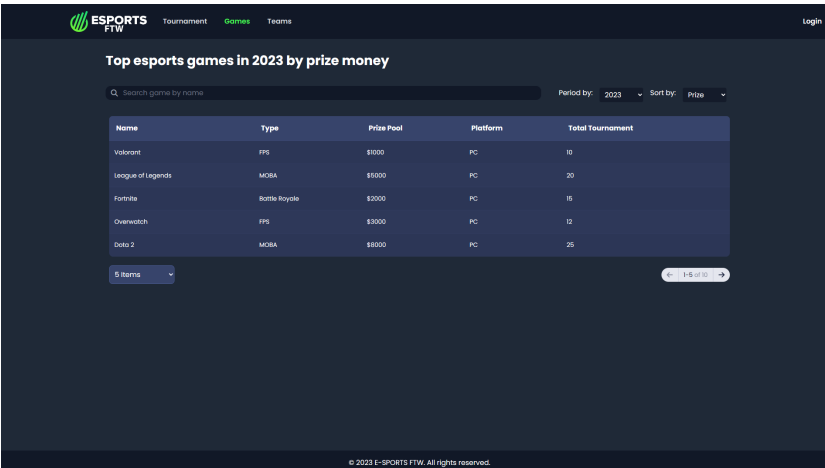
3.1.4 Team Page



The screenshot shows the 'Esports Events Statistics' page with the 'Teams' tab active. The filters are the same as in the previous screenshot. 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 with the 'Games' tab active. The title is 'Top esports games in 2023 by prize money'. The filters are the same as in the previous screenshots. 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	\$6000	PC	25

Normalization

4.1 First Normal Form

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4.2 Second Normal Form

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4.3 Third Normal Form

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4.4 Final Table

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