Cairo University SEM – team 21

Faculty of Engineering

Computer Engineering Department

CMP 202 (or CMP N202 for CHS)

**Introduction to Database Systems**

**BALL OF DUTY**

**Proposal**

**Team Number: 20**

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**Project Description:**

As everything has been digitalized and transformed to numbers and statistics which make the complex and unbeneficial data diamonds. This inspired us to get the idea of our project which is like a Fantasy platform. Fantasy is a competition in which participants create their own squads from among the players in a league and score points according to the actual performance of their players.

Ball of Duty will fulfill the passion of most of sports aficionados. As it is capable to be applied in different kinds of sports. which will increase the utilization of this project widely. It is not limited on specified country, region or sport. You can say the sky is the limit.

**User functionalities:**

|  |  |
| --- | --- |
| **User** | **Functionality** |
| Admin | Enters and manipulates data for:   1. Teams.    1. Adds qualified teams.    2. Removes relegated teams. 2. Players in each team. 3. Real life transfers.    1. Local transfers.    2. Outer-league transfers. 4. Actions. |
| Game Observer | 1. Records the score of each player in the game. 2. Tracks substitutions. |
| Gamer | The passionate fan who will   1. Pick his squad. 2. Update his squad using in-game transfers. 3. Use cards to improve his score. |

**Real-world entities:**

* Sport Player (Athlete)
* Position
* Gamer
* Team
* Gamers’ League
* Game week
* Actions
* Cup Match