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COSA assignment 1 Answers.

Question 1) List all the stakeholders from the given case.

Internal stakeholders:

|  |  |
| --- | --- |
| Name of stakeholders: | Description: |
| CST year2 students | They are developers of the project. |
| CST year1 students | They will analyze the project. |
| Pool organizer | He will enter day’s statistics  And take a payment of users. |
|  |  |
|  |  |
|  |  |
|  |  |

External stakeholders:

|  |  |
| --- | --- |
| Users or customers | they will spend money to buy players. |
|  |  |
|  |  |
|  |  |

**Question 2:** Use case diagrams:

Diagram

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Diagram

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Question 3: client questions

1) How the software is going to handle the situation of tie (for example, same score of more than one user).

🡪 If more than one user has same score, then they can split their reward evenly between them and they will get discount for their next tournament entry fees.

2) In this hockey Pool project, how pool organizer going to manage money taken from users?

🡪 There will be separate bank account for the hockey pool project and the pool organizer will put the fund he receives into that account, and he will manage this account through out the session.

3) As it is mentioned in Hockey Pool Proposal that players from all groups have same abilities, but how system will determine the level of abilities of all players?

🡪 There are some sorting mechanisms in the project. By using that mechanism, system will sort scores of all players from past few years. And it will sort data in descending order, first by goal scores and then by number of assists of players. After creating sorted list of players, system will determine the abilities of their performance and divide them into group of 4 players.

4)What if user want to terminate his game in the middle? How much money he will going to get back?

🡪 It depends on how much time is passed since session started. For example, if the session duration is 10 days and user want to quit in first or second day then he will get the full refund. On the other hand, if they terminate the game in the ending phase of the session (8th or 9th day) then they will not be going to get their money back. Basically, they are not able to quit after certain amount of time.

5) How will winners verify their identity?

🡪 winners must log in with their own email id and password. They also must provide their unique ID number given to them when they have registered. There is an option to set two security questions which help them to prove their identity.

Activity Diagram according to our user scenario.

Diagram

Description automatically generated