✓ Tarefa avaliada por colega: Designing a Data Model for 'Catch the Pink Flamingo'

Você foi aprovado!

Congratulations. You earned 60 / 60 points. Review the feedback below and continue the course when you are ready. You can also help more classmates by reviewing their submissions.

> Avaliar o trabalho de um colega

ⓘ Parece que esta é sua primeira tarefa com avaliação entre colegas. Saiba mais　　✕

Instruções

My submission

Discussões

Instruções

The goal of this assignment is to design the data structures required for creating the game. Remember, that there are three aspects of the game:

1) Designing the data required to run the game

2) Keeping track of what is going on when people are actually playing the game, and

3) Analyzing how people played past games so that we can improve the way the game is played

With this in mind, let us list what we would need.

First, the game will have **users**, i.e., the players and we need to know some details about them. This information will typically be a relational table that may look like this.

Users (userID:longInteger, userName:string, joiningDate:date, dateOfBirth:date, currentLevel:int, authenticationKey:string)

Diagrammatically, this would look like:

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Users

userID: long	UserName: string	joiningDate: date	dateOfBirth: date	currentLevel: int	AuthenticationKey: string
100	Greg Olson	10/12/2015	4/8/1996	1	4AI2Q87DE670
101	Cathy Pearson	10/23/2015	3/17/1998	3	4J9FMG5O5F67
102	Joseph Forsyth	11/4/2015	10/19/1994	3	V7O7M82HJ9D

where **userID** is underlined because it is a primary key for this relation.

We also know that users would form **teams**. However, these teams would possibly grow and shrink with time. But it is reasonable to assume that one user will be a part of only one team at any time, and unless we know that the user joined another team more recently, the user belongs to the team she joined last. We can also model teams as relations, which might look like this:

Teams

TeamID: long	UserID: long	joiningDate: date
10000	100	10/15/2015
10100	101	10/24/2015
10100	102	11/4/2015

With this table we should be able to determine the members of a team at any point in time, and track how a user has changed teams over time. Remember that a level 1 user will not appear in this table.

For this assignment, we will present incomplete specifications for a few data structures and your task will be to complete them.

Review criteria   menos ⌃

Students will be asked to complete missing information and provide brief explanations to justify their choices. Peer review will be very basic, i.e. students will answer yes/no questions to validate whether their peers completed the prompts successfully.

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👍 👎 🚩