

Meeting notes - 15 Mar 2023



Date

15 Mar: Added ER Diagram Plan + Possible SQL Command to Create Content Table



Participants

- @ Tran Duc Anh Dang | @ LUAN NGUYEN | @ Eloise Grant



Goals

- Planning ER Tables
- Planning SQL Command to create this table



Discussion topics

Time	Item	Notes
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15 Mar 2023	ER Diagram	<p>Archer Information:</p> <ul style="list-style-type: none"> -ArcherID (unique identifier for each archer) -FirstName -LastName -Gender -DOB <p>Equipment Types:</p> <ul style="list-style-type: none"> -EquipmentID (unique identifier for each equipment type) -EquipmentName (such as recurve bow, compound bow, etc.) <p>Round Definitions:</p> <ul style="list-style-type: none"> -RoundID (unique identifier for each round type) -RoundName (name of the round) -Distances (distances shot in the round) -EndsPerDistance (number of ends per distance) -TargetFaces (target faces used in the round) -NumberOfEnds (total number of ends in the round) -EquivalentRounds (list of equivalent round IDs) <p>Scores:</p> <ul style="list-style-type: none"> -ScoreID (unique identifier for each score entry) -ArcherID (foreign key to Archer Information) -RoundID (foreign key to Round Definitions) -EquipmentID (foreign key to Equipment Types) -DateTime (date and time of the score entry) -TotalScore (total score achieved by the archer) <p>Competition Results:</p> <ul style="list-style-type: none"> -ResultID (unique identifier for each competition result) -CompetitionID (foreign key to Club Competitions) -ArcherID (foreign key to Archer Information) -TotalScore (total score achieved by the archer in the competition) <p>Personal Bests:</p> <ul style="list-style-type: none"> -PBID (unique identifier for each personal best record) -ArcherID (foreign key to Archer Information) -RoundID (foreign key to Round Definitions) -BestScore (best score achieved by the archer for the round)
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15 Mar 2023	SQL Command to Create Table	<pre> CREATE TABLE ArcherInformation (ArcherID INT AUTO_INCREMENT PRIMARY KEY, FirstName VARCHAR(255) NOT NULL, LastName VARCHAR(255) NOT NULL, Gender ENUM('M', 'F', 'O') NOT NULL, DOB DATE NOT NULL); CREATE TABLE EquipmentTypes (EquipmentID INT AUTO_INCREMENT PRIMARY KEY, EquipmentName VARCHAR(255) NOT NULL); CREATE TABLE RoundDefinitions (RoundID INT AUTO_INCREMENT PRIMARY KEY, RoundName VARCHAR(255) NOT NULL, Distances VARCHAR(255) NOT NULL, EndsPerDistance VARCHAR(255) NOT NULL, TargetFaces VARCHAR(255) NOT NULL, NumberOfEnds INT NOT NULL); CREATE TABLE Scores (ScoreID INT AUTO_INCREMENT PRIMARY KEY, ArcherID INT, RoundID INT, EquipmentID INT, DateTime DATETIME NOT NULL, TotalScore INT NOT NULL, FOREIGN KEY (ArcherID) REFERENCES ArcherInformation(ArcherID), FOREIGN KEY (RoundID) REFERENCES RoundDefinitions(RoundID), FOREIGN KEY (EquipmentID) REFERENCES EquipmentTypes(EquipmentID)); CREATE TABLE ClubCompetitions (CompetitionID INT AUTO_INCREMENT PRIMARY KEY, CompetitionName VARCHAR(255) NOT NULL, CompetitionDate DATE NOT NULL, IsChampionship BOOLEAN NOT NULL); CREATE TABLE CompetitionResults (ResultID INT AUTO_INCREMENT PRIMARY KEY, CompetitionID INT, ArcherID INT, TotalScore INT NOT NULL, FOREIGN KEY (CompetitionID) REFERENCES ClubCompetitions(CompetitionID), FOREIGN KEY (ArcherID) REFERENCES ArcherInformation(ArcherID)); CREATE TABLE PersonalBests (PBID INT AUTO_INCREMENT PRIMARY KEY, ArcherID INT, RoundID INT, BestScore INT NOT NULL, FOREIGN KEY (ArcherID) REFERENCES ArcherInformation(ArcherID), FOREIGN KEY (RoundID) REFERENCES RoundDefinitions(RoundID)); </pre>
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 Action items



 Decisions