Relational Databases Group Project

Group 3 (Ryan, Lena, Dan, Louis, Arya)

Add Player

o   Adds new entries to the players table, includes options (in a sub form) to add a new game to the database at the same time, and in yet another sub form under that, to add a new genre, if so desired. Additionally, two more first-level sub forms allow new entries to be inserted into the game platform table and the status table, if the required entries do not already exist

Add User

o   Adds new entries to the users table, includes options (in multiple sub forms) to add one or more streaming entries per user, and under each streaming sub form, another sub form to enter a new streaming platform, if the desired platform doesn't already exist.

Add Event

o   Adds new entries to the events table, as well as options, in sub forms, to add new entries to the event type and locations table, if the need arises.

Add Attendee

o   Adds new entries to the attendees table, as well as an option to add new entries to the status table, if required.

Universal Read / Update / Delete

o   We plan to have a single page to handle all of the updating, deleting, and some of the reading (we will have the reports as required in addition to this page).

o   A dropdown combo box allows the user to select which table they would like to update. On selection, a table will populate on the left side of the screen with the most relevant information visible for each entry (e.g. for users, only username, first name, and last name will be displayed). The user may then select a row to view its full details on the right side of the screen, or by selecting the update option on the row, view a full form, pro-populated with the information in the entry, enabling them to edit any column as they desire. Finally, a delete button will allow the user to delete any entry they wish from this page.

Cyber Grizzlies Players Database

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Events

EventID	INT8 (auto) PK
EventName	VARCHAR(64)
TypeID	INT8 FK
EventDateTime	DATETIME
LocationID	INT8 FK
EventDescription	VARCHAR(256)

EventsType

TypeID	INT8 (auto) PK
TypeName	VARCHAR(32)

Locations

LocationID	INT8 (auto) PK
LocationName	VARCHAR(32)
LocationAddress	VARCHAR(64)

Users

UserID	INT8 (auto) PK
UserName	VARCHAR(24)
FirstName	VARCHAR(24)
MiddleName	VARCHAR(24)
LastName	VARCHAR(24)
StartDate	DATETIME
ActiveStatus	BOOL
PayStatus	BOOL
Email	VARCHAR(64)
Phone(cell)	VARCHAR(13)
ChatStatus	BOOL

Players

PlayerID	INT8 (auto) PK
UserID	INT8 FK
GameID	INT8 FK
StatusID	INT8 FK
LocationID	INT8 FK
PlatformID	INT8 FK

Status

StatusID	INT8 (auto) PK
StatusName	VARCHAR(12)

Attendees

AttendeeID	INT8 (auto) PK
UserID	INT8 FK
EventID	INT8 FK
StatusID	INT8 FK
LocationID	INT8 FK
PlatformID	INT8 FK

Games

GameID	INT8 (auto) PK
GameName	VARCHAR(24)
Single/Multi	BOOL
GenreID	INT8 FK

Genre

GenreID	INT8 (auto) PK
GenreName	VARCHAR(24)

Game Platform

PlatformID	INT8 (auto) PK
PlatformName	VARCHAR(12)

Streaming

StreamID	INT8 (auto) PK
UserID	INT8 FK
StreamPlatformID	INT8 FK
StreamLink	VARCHAR(100)

Stream Platform

StreamPlatformID	INT8 (auto) PK
StreamPlatformName	VARCHAR(12)

PRIMARY KEY

FOREIGN KEY

TO MANY

TO ONE