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Re-Design: Database

After instructor and peer reviews, it appears that it will be appropriate to continue to use a relational database. I had a many-to-many relationship between "Users" and "Activities" as many users can select activities and many activities can be selected by users. And the rest of the data works well in a table. I will be using PostgreSQL as the database technology.

I will be adding a primary key to the "Selection" table as it is understood that this is a standard feature.

The Nature Points application has two primary tables. The users table which stores login information as well as a running point total for that user. Additionally, the activities table will feed the application the individual activities at the checkboxes on the Webpage.

Therefore, a standard scenario would be the user will login to the application and their YTD point total will be loaded. The application will load the activities in the checkbox grids. The user will select their new activities and calculate the weekly total. Their account will then update their YTD point tally. Additional features are being considered, but otherwise it is as simple as that. I have attached an updated entity-relationship diagram for reference below.