

### **Group 3 Project - NWminus**

#### *Short Description:*

Our final project is a platform that allows organizers of NWminus, a student-run programming club, to handle the logistics of its hackathon events. On our platform, organizers can easily view or edit its database. They are able to do things like add a participant, delete a guest, update a workshop's room number, get the information of participants from a specified school whose ID is greater than a specified number, view specified attributes of all volunteers, find the schools of all the participants who registered for a workshop, find the number of participants who go to each school, find the schools that have two or more participants attending, find which companies have sent more than one company representative for all the companies that are sponsoring a hackathon, and find all the names of the volunteers that have helped run all the hackathons. With our intuitive interface, our project allows organizers to better coordinate their hackathon events.

#### *How our final schema differed from the schema we turned in:*

We changed some of the attribute names (e.g. renaming Volunteer's "name" attribute to "vname") because there is an existing "name" datatype. We added "on delete cascade" to all of the foreign keys to prevent unexpected errors when deleting tuples. We also changed the "time" datatypes to "char" datatypes because the former was causing many errors that were difficult to fix. Other than that, our schema has not changed very much since Milestone 2.

\*You can find all of the query code in *organizers.php*.