

Here is a high level design of the Compass Database. It will store the users, the associated roles, their mastered skills, and a variety of behaviors that affect a student's study hours. All fields are NOT NULL unless specified.

Skill Mastery

Skills have two key features, a name, and a category to which a skill belongs. When a skill is updated it is recorded in the skill mastery log, so that our graphs can use this information to plot student growth from day to day. This system allows for teachers to add new skills and open new skill categories as the program evolves.