**User:**

Represents all common information between all user’s accounts. Users only have one username, first name, last name and an encrypted password. A user can update their username, first name, last name and their password in the database. The user contains the reset password option.

**Teacher:**

Represents the information the teacher would have for their account. Teachers will have a teacher ID, along with three Array Lists (Classes, History of Worksheets). A teacher can search for a particular class and history of worksheets. A teacher will be allowed to create and delete classes and this will be updated in the database. The teacher can set the min and max of   
(numerator and denominator).

**Admin:**

Represents the information the Admin would have for their account. Admin will have and Array List of (Teachers and other Admins). They will also save their last 4 of their SSN, Birthday and First Job. These three fields will be used for the admin to reset their passwords; they will also be stored hashed. The admin can search through a list of teachers and admins. The admin can delete teachers and other admins and will update the database.

**Student:**

Represents the information the Student would have for their account. Student will be able see their history, difficultly level and class they are currently enrolled in. The Student will be able to search through their history of worksheets.