

## Sean Ashe – Unit Tests

### SQLAlchemy - `models.py`, `create_db.py`, `populate_db_freq/temp.py`

I used the python library SQLAlchemy to setup and manipulate our database system. It was something that I had not used before, so after reading tutorials, I used trial and error in the Python Interpreter to try it out. Through this, I learned how to establish a connection with my database server located at <http://localhost/phpMyAdmin/testbed>. I also learned how to use SQLAlchemy's functionality to create tables in my database and populate them with various kinds of data.

The phpMyAdmin page that I mentioned above is another great testing tool. It provides a very nice visualization of every row and column in the database. It also provides a dynamic and easy-to-use querying system for quick off-the-cuff querying. I used this to my advantage when pushing changes and data to the database. After executing a python script, I could go straight to phpMyAdmin and see the results instantly.