HW 6

Team Bingo

March 2020

1 Persistance

1.1 Data Model

Our data is mapped directly by Django's Object Relational Mapper. See models.py for details.

1.2 Queries

Filtering of colleges and user profiles is almost done exclusively through django's QuerySet api. The only exception is when lax filtering is specified, application code is required to fetch objects whose the filters are not reported. See search in views.py for details

2 Code Convention

2.1 Python Backend

Adhere to PEP8: https://www.python.org/dev/peps/pep-0008/
Style enforcing using Black: https://github.com/psf/black

2.2 JavaScript Frontend

Adhere to prettier: https://prettier.io/docs/en/index.html

3 Implementation Status Report

See gradingsheet.xlsx

4 Installation Manual

See README in source code directory

5 Test Report

5.1 Unit Tests

Series of tests for backend functions login, register, and search. A set of unit tests to test scraping college rankings, data, scorecard, and niche.com.

5.2 Integration Tests

Use a web browser automation tool, selenium, to test integration of frontend and backend. We test search, login, and register.

6 Contribution

Omar - backend functions including scraping, register, login, search
Olesia, Jafree, Bing: design, frontend, presentation

7 Data

See backend/data.

8 Design

See backend/design for diagrams and attached documents