README.md

View on Heroku

CS28 Project

A bespoke and flexible database for the School of Chemistry (SoC) tailored for the calculation of Degree Classification as part of the Team Project module.

The project aims to develop a flexible datable for the School of Chemistry to manage and publish degree classification for final year students all while minimizing the use of Microsoft Excel. The output should be in a MyCampus-friendly format

Requirements

Degree Calculation Specific

- Store grades (as 22point and alphanumeric) for each course
- Different weight for each course in a degree programme
- Support degree calculation using data given with the appropriate calculations
- Other features cherry-picked from legacy software by 19-20 teams

DB

- Flexible
  - Good cause
  - different weightages
- Input and output meshes with MyCampus requirements
- Ability to add notes
- Secure
- Sortable and Searchable
- Degree classification as 22 point or alphanumeric
- Exportable as excel or csv
- Anonymize

Site currently up on heroku

> https://cs28.herokuapp.com/

Table of Contents

Prerequisites

This web app is built on:

- Python 3.8.5
- Django 3.1.3
- Bootstrap 4.3.1
- Jquery 3.5.1

Installation / Setup

See INSTALL.md for full instructions on installation

Usage

See USAGE.md for detailed usage guide.

Features

User Interface

- Professional look that is consistent with other webpages from the University
- Sidebar with quick access icons
- Search with quick links to student in course grades or manage
- Row highlighting in tables

Security

- Safe from OWASP Top 10 vulnerabilities
  > *Ensure that site is appropriately set up for deployment*
- CSRF protection

Contributing

Pull requests are welcome. For major changes, please open an issue first to discuss what you would like to change.

Please make sure to update tests as appropriate.

Licenses

- CS28 Project (MIT)
- Bootstrap table (MIT)

- x-editable (MIT)
- jsPDF (MIT)
- js-xlsx (Apache-2.0)
- TableExport (Apache-2.0)
- Malihu custom scrollbar (MIT)
- Chart.js (MIT)
- Dropzone.js (MIT)
- Django Axes (MIT)

Authors and Contact

Scrum Master

Alana Grant (Meeting Chair) - 2390384G@student.gla.ac.uk

Product Owner

Yee Hou Teoh (Note Taker) - 2471020T@student.gla.ac.uk

Development

Ekaterina Terzieva (Lead Demonstrator) - 2403606T@student.gla.ac.uk

Hieu Nguyen (Checker) - 2471707N@student.gla.ac.uk

Kien Welch (Checker) - 2371692W@student.gla.ac.uk

Team Coach

Robert Pringle - 2304777P@student.gla.ac.uk

Acknowledgements

Make a README

Font Awesome

Bootstrap Table

x-editable (bootstrap 4 support)

jsPDF

js-xlsx

TableExport

Malihu custom scrollbar

Chart.js

Dropzone.js

Django Axes