Final Project Ideas

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1 Schedule Page Generator

Description

Rose-Hulman CS professors all make the schedule pages which students find extremely useful. Unfortunately, not all professors have the coding know-how to make one of their own. Our project is to make a schedule page website that allows professors to customize their class schedule page without any coding experience. This could include the date, resources, topics, links, files, due dates, and more. As an extra, this could also include a simple API to interface with Emacs' org-mode and Trello.

2 Rose Elective Recommendation

Description

Particularly as a freshman it can be difficult to come up with ideas for your elective classes. Many of the classes you know you would enjoy have filled up and you don't even know if you would enjoy the choices you have. This problem could be solved with some machine learning and a website which could suggest electives to you. You could enter in what you have enjoyed, what you haven't, and out comes your schedule for the quarter.

3 Rose-Hulman Grading Helper

Description

Organization for graders can be tricky when you have multiple sections, professors, and graders for a class. Getting feedback to students and splitting the work among graders requires many documents and a fair amount of confusion. This can be fixed through a website similar to Moodle but with a grader centered approach. Graders could see exactly who they have to grade, who they have already graded, and have the key and a rubric all in one place.