

Project Proposal

Project title

Grade-A Course Finder

Project Goal

Our goal is to help students navigate around the difficulty levels of different classes at UMD.

Description

Students are constantly on the lookout for the best professors and easiest class load to help deal with already stressful college experience. This website/program will be made sourcing student input in the form of a survey to help find the class and professor and write reviews.

Our motivation is to help students find the best possible fit (classes and professors).

Team members and roles

- **Project manager – Gabrielle Mahapat (gabriellemahapat@gmail.com)**

Keeps track of individual task commitments, due dates, and status (complete, in-progress, overdue, etc.). Reminds (and sometimes nudges) team members on their tasks. Reports weekly team update. Needs to be organized, a good communicator and willing to “push” people a bit.

- **Analyst – Trinity Newsome (tnewsome@umd.edu)**

Leads team members in analyzing the problem, breaking it down into sub-problems, identifying system components, creating a description and/or diagram of the components (modules, functions, etc.), and how they fit together. Makes sure that all the code produced by the individual coder fits together. This role especially often draws on the computational thinking strategies (although they all do to some extent).

- **Tester – Getahun Seyoum (getasey@gmail.com)**

Determines whether the code meets the requirements. Identifies what parts of the requirements are satisfied, and what parts are not yet satisfied. Makes sure that new code doesn't break the old functionality – that the system still works.

- **Researcher – Chika Chuku (cchuku@terpmail.umd.edu)**

Gathers the data or information needed. For example, gets sample data from clients, finds Python functions or modules that do specific functions needed by the team, etc.

- **Developer - Rankin D'Souza (rankindsouza12@gmail.com)**

Creates the project envisioned by the team members and works with everyone to ensure proper execution.

Collaboration plan

- Online meeting (Facetime) every Monday, Wednesday, and Friday 1:00 - 1:50 PM
- Communication: iMessage (message updates), Google Docs (Project Documentation/Notes)
- Group Status Updates Wednesday before official updates: 1:00 - 1:50 PM
- Official Status Updates: Friday, April 17th, and Friday, May 8th
- Communicate times when unavailable/plan in advance

Required capabilities

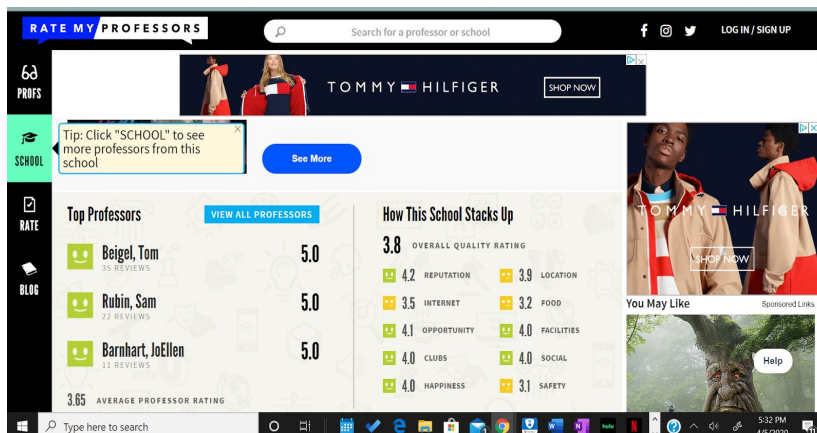
A description of the “users” of your project system (e.g., who is the audience for your data analysis story? Who might find your search system useful?), and a list of capabilities that users will be able to perform/receive using the delivered system (e.g., users will have a better understanding of how inequality differs across counties/years, help-seekers will be able to find answers more quickly to common questions).

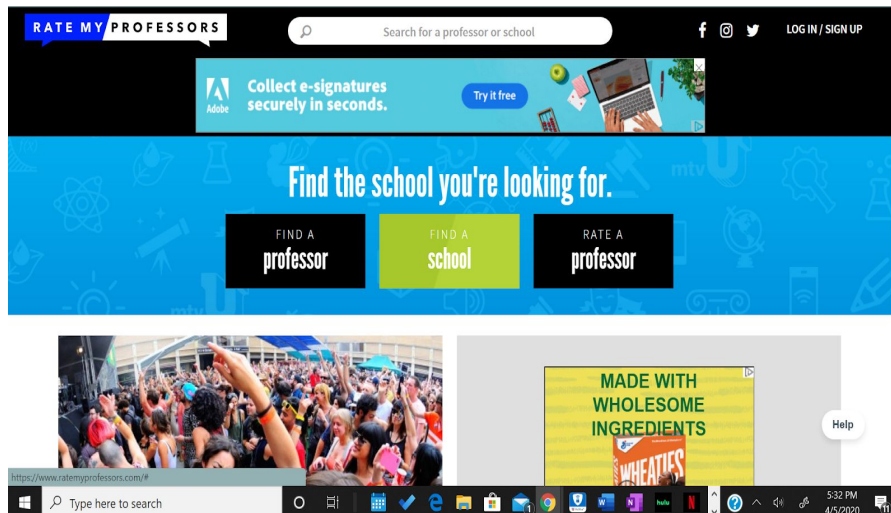
- Students at the University of Maryland College Park
- The students will be able to gauge a difficulty level of a class based on previous user data
- Students can view a graph of difficulty ranking

We recommend (but don't require) that you include sketches or screen mockups here. If you are familiar with scenarios or use cases, you may use either of those formats. You may also post “inspirations” of existing systems that contain functionality (similar to what) you are aiming for.

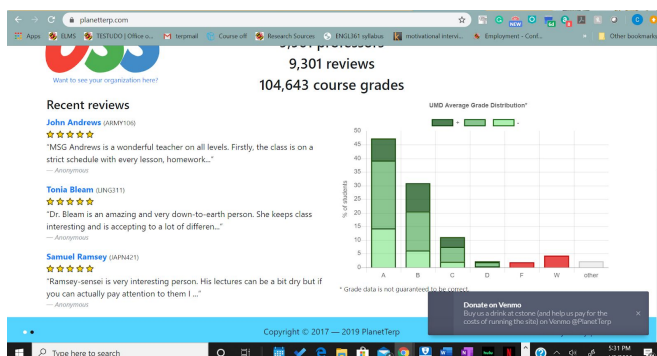
Planet terp and RateMyProfessor are similar to what we plan to create:

RateMyProfessor:





Planet Terp:



Additional capabilities (optional)

Other capabilities that would be implemented for a working version, but not implemented in your system.

- Grade data from UMD

Needed materials and sources

- Github Repository (code updates)