

# Project Backlog Team 22

Pathfinder

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## Problem Statement

Many students--present and future--have insecurity and questions about their career path and choices and there is no unified source for students to find information on co-ops, class difficulty, or internships. There are a multitude of websites, such as Rate My Professor, Reddit, and CourseHero, that may give pieces of information that students want to know about certain school opportunities, but lack the testimonials and advice of students' past experiences. To solve this, we will create a web application that will combine all this information through user input. This website will feature a user-authenticated profile that will give the user access to view all other students' profiles who have already experienced what they are looking for.

## Background Information

### Audience:

Our target audience consists of only Purdue college students but long term we will extend to other colleges. Students who would use our service want to create schedules by researching classes, choose internships based on reviews, and overall make informed decisions in making common college choices.

### Similar Applications:

Rate my Professors is a common tool used by many college students however this website does not share details about individual classes but rather professors. Many students also post schedule related questions on the Purdue Reddit page but this is an unorganized and ineffective way to share information. Another similar application is the Purdue Reddit page, where students post comments about which classes are tough and popular. Again, this is unorganized and not regulated by dates.

### Limitations:

Our main limitation is the voluntary nature of user postings, opinions on classes and internships, etc. Though UI simplicity will be a key feature, users may be mainly "readers" not "posters". Reduction in barriers to posting may ease this limitation. Changing user loyalties from existing applications may be an issue. A possible solution to this is making the service more functional and useable than competitors.

# Requirements

## Functional:

1. As a user, I would like to create an account easily
2. As a user, I would like a tutorial or a help tab if I am ever lost or need help on certain functionality
3. As a user, I would like to be able to login and manage my account
4. As a user, I would like to be able to review any class
5. As a user, I would like to be able to delete my reviews
6. As a user, I would like to edit my reviews
7. As a user, I would like to update my profile as I please
8. As a user, I would like to be able to view other people's posts on classes and internships
9. As a user, I would like to be able to reset my password
10. As a user, I would like to add tags to my post for each class
11. As a user, I would like to be able to up-vote on all posts
12. As a user, I would like to be able to sort comments based on top voted, most recent, and monthly, and semester
13. As a user, I would like to be able to control the privacy settings on my profile
14. As a user, I would like to be able to view all pages for courses offered by my university
15. As a user, I would like to be able to view all pages for internships pertaining to my field of study
16. As a user, I would like to be able to give testimonial for courses I've taken
17. As a user, I would like to be able to give testimonial on internships I've had
18. As a user, I would like to be able to give testimonial on clubs I'm involved with at my University.
19. As a user, I would not like to see old and outdated reviews, but only upon request
20. As a developer, I want to be able to remove offensive/non topical posts
21. As a developer, I only want posts to remain in the class for 4 years
22. As a developer, I want to be able to create and give access to administrative accounts

## Non-Functional:

1. The application will be a web-app
2. This application will be written with Meteor software, allowing use of JavaScript on both frontend and backend development
3. Integrate with web-server services for database handling
4. Must be expandable to non-purdue affiliated campuses
5. Must have fast response-times and real-time updating

6. Must be able to grab data from a real-time database on at least a weekly basis in order to maintain the stability of real information on classes, etc.
7. Must protect the privacy and security of the users' voluntarily-posted information
8. Must protect data from users' personal uses by only allowing users to be able to access certain data dumps, while restricting others, such as other users' information
9. Must be able to handle as many users at possible at a single time
10. Must have a high degree of security and privacy concerning users' information
11. The database will refresh weekly with data grabbing of classes and other such public information
12. Must have a user-friendly interface that will be easy to understand upon immediate use
13. Must be able to handle concurrent actions such as grabbing data and inputting data from users at the same time
14. Time allowing, must be able to hold data on a database/server large enough to potentially hold thousands of users' data and hundreds of schools' scheduling data