

# Team 1 Project Backlog

**Project Name:** TBA

**Team Members:**

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## Project Statement:

Our project is a great application that gives the students an easy way to manage their daily academic activities. This application is composed of three major features, giving class registration suggestion according to the professor rating and class complexity, assisting students to look for classmates in the same course as study companion who might be easy to get along with based on their interests and language they are speaking and helping students to make an appropriate meeting time with group members when taking a course that requires group work. Unlike “Rate my professor”, “Doodle” or “StudyBlue” which mainly focus on one specific feature, our application put multiple features together to help students manage their studies. One tool, one platform and one user account but manage everything. We aim to make students’ academic life easier, more efficient and more satisfied.

## Background Information:

Nowadays, there are a lot of applications designed for helping with students’ academic lives. But most of these applications only have one or two features and their target users are all the students. Our application will integrate multi-features like outlook office365 (but with totally different features) to offer a more user friendly and more convenient platform for Purdue students to study more efficiently as well as more happily.

Currently, there is no application that is exactly the same as ours because we integrate multiple features in one application. However, there are some existing applications aiming at refining our individual feature. For our meeting scheduler feature, Doodle is an excellent example for us to study. Our course registration advisor feature is somewhat similar to the existing web application “ratemyprofessor.com”, however, with more intentional refinements. We will utilize the existing real-user data from ratemyprofessor.com to help students choose their favorable courses and professors. Furthermore, we will also allow the students who have taken this course write their own reviews about the professor or the course. Thus rather than simply grabbing relevant information online, we do have our own database to hold incoming reviews from our own users. And for classmate finder feature, we will transfer some of implemented features as notes and resources sharing from the existing applications like CourseHero and StudyBlue. Besides, our classmate finder feature will focus more on connecting students with each other and making them know more about each other and interacting more with each other. So instead of letting students blindly obtain the shared resources, we are enriching students’ college life by helping them know more people and interact more with others.

All in all, the limitation of the applications I mentioned above is that in fact they somehow intensify students’ work while they are intending to alleviate students’ work load, especially when students are doing work which requires multiple tools so that they tend to spend more time on switching between different apps rather than focus on doing their actual work. For this, our solution is to combine multiple features on one platform so that the users can manage all of their study works without jumping into different platforms. In addition, all of these applications we currently have are targeting on students from universities all over the world and also because of

the broad target users, these applications tend to be designed in a more general way. Here, we aim to customize our application to make it mainly for Purdue students by adding lots of “Purdue” marks.

## **Requirements:**

### **Functional:**

#### **Profile:**

1. As a user, I would like to change my profile picture.
2. As a user, I would like to edit my hobbies, education info, birthday in my profile
3. As a user, I would like to set my personal information to be public or private

#### **Class registration suggestion feature:**

1. As a user, I would like to search a class by typing the class name.
2. As a user, I would like to select a class taught by a specific professor.
3. As a user, I would like to know abstract information about the class.
4. As a user, I would like to see the rating of the professor.
5. As a user, I would like to see the reviews of the class by other users.

#### **Class Forum feature:**

1. As a user, I would like to join a class as a classmate.
2. As a user, I would like to see number of classmates in the class before I join the class.
3. As a user, I would like to see the list of classmates in the class I joined.
4. As a classmate, I would like to leave a class I joined.
5. As an administrator, I would like to create three fixed threads in each class forum as “welcome new students”, “random chat” and “academic resources sharing” where classmates are asked to discuss about a specific topic.
6. As a classmate, I would like to send messages to “random chat” and “welcome new students” threads.
7. As a classmate, I would like to receive messages from different threads.
8. As a classmate, I would like to share course resources in form of files in “academic resources sharing” thread.
9. As a classmate, I would like to manage the resources I have shared in the class by either uploading new files or deleting the files I have
10. As a classmate, I would like to have access to resources shared by my classmates.

#### **Rate professor feature:**

1. As a classmate, I would like to post a review for the class I have joined.
2. As a classmate, I would like to rate the class with “good”, “average” and “poor” tag while I’m writing the review.
3. As a classmate, I would like to delete my post.
4. As a classmate, I would like to ‘like’ my classmates’ reviews.
5. As a classmate, I would like to dislike’ my classmates’ reviews.
6. As an administrator, I would like to make sure only users who have joined the class are able to post reviews and modify his or her posts for the class.

**Find classmates feature:**

1. As a user, I would like to find friends from a class I joined based on my preference such as country, gender and etc.
2. As a user, I would like to have a friend list.
3. As a user, I would like to add a person to my friend list by searching his or her account email.
4. As a user, I would like to chat with my friends in the friend list privately.
5. As a user, I would like to form a group with my classmates by sending invitations to my classmates .
6. As a group member, I would like to send messages to my group and discuss course material problems with my group members.
7. As a user, I would like to delete a friend.
8. As a user, I would like to leave a group.

**Set up meeting time feature:**

1. As a user, I would like to form a group by sending invitations to my group members.
2. As a group member, I would like to create an time availability vote for my team members as an event creator.
3. As an event creator, I would like to set up the due date of the vote.
4. As an event creator, I would like to set up the due date reminder time for the vote.
5. As an event creator, I would like to cancel the event I created.
6. As a group member, I would like to receive an email notification if I get an invitation to the time availability vote.
7. As a group member, I would like to vote for the time slot for an event after I got the invitation from the event creator.
8. As a group member, I would like to change my voted time any time before the due date of the vote.
9. As a group member, I would like to get an email reminder on the due date reminder time.
10. As a group member, I would like to receive a notification about the final meeting time after the vote is done.
11. As a group member, I would like to receive a reminder one day before the meeting.
12. As a group member, I would like to be able to retrieve events I have voted.

**Non-Functional:****Performance:**

We want to make sure that the users will have pleasurable experience with our application. Thus we need to assure that the responding time for each request (searching, webpage loading, data

filtering and etc.) is less than 500ms. Our final goal is to provide an efficient and user-friendly application

#### Security:

Security is a significant aspect for all the online applications. As a user, I would like to prevent strangers to get access to my personal information especially phone number, address and etc. We plan to set restriction on users' passwords when users try to reset or set their passwords such as we might require a user's password is consisted of certain number of characters and digital numbers, both lowercase and uppercase alphabetic and better with some symbols.

#### Development:

As a developer, I would like to ensure that our framework is reusable so that we can add more new features while maintain the currently implemented features well in the future development.

#### Appearance:

Since our application's target users are Purdue students, we plan to add "Purdue feature" icons in our webpage to give Purdue students a more straightforward impression. We aim to provide a clean, creative and inspiring user interface. The UI design will be the most important for our web application since usually you will decide whether to use an application by its first impression.