Team 1 Project Backlog

Project Name: iStudy
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:

1. As a user, I would like to sign up a user account.
2. As a user, I would like to log into my account.
3. As a user, I would like to log out my account safely every time I finish using the application.
4. As a user, I would like to have a secured account.
5. As a user, I would like to retrieve my password when I forget it.
6. As a user, I would like to change my password any time.
7. As a user, I would like to change my personal information any time.
8. As a user, I would like to have a user-friendly interface that can make me feel comfortable.
9. As a user, I would like to enter my password once and let the system remember my log in information.
10. As a user, I would like to have an application that is easy to use.
11. As a user, I would like to customize my own username.
12. As a user, I would like to customize my own photo profile.
13. As a user, I would like to customize my own web background view.
14. As a user, I would like a brief explanation of how to use each feature.
15. As a user, I would like to change my voted meeting time any time before the due day of the voting.
16. As a user, I would like to receive a notification one day before the meeting time.
17. As a user, I would like to protect my private information and only allow people from my friend list to chat with me.
18. As a student, I would like to know the school special events and activities.
19. As a student, I would like to know more about the information of the professor who is about to teach me.
20. As a student, I would like to know more about the courses (general content, complexity and etc.) before I register the class.
21. As a student, I would like to find classmates as study companion.
22. As a student, I would like to make friend with my classmates.
23. As a student, I would like to get the weather information every day before I go to class.
24. As a student, I would like to find teammates for group project quickly.
25. As a student, I would like to have a convenient way to set up meeting time with group members.
26. As a student, I would like to have more study resource than the resource the professor post on Blackboard.
27. As an administrator, I would like to reset a user's password.

28. As an administrator, I would like to supervise all the users' action to maintain a friendly community (threaten, abuse and etc).
29. As an administrator, I would like to be able to have the right to associate users with each other according to their own preferences.
30. As an administrator, I would like to access all the users' information and manage them.
31. As an administrator, I would like to change the background of webpage during special occasion. (Like New Year, Christmas, the background may change)
32. As an administrator, I would like to prevent the students who are not in the course write course reviews.

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.