

GraduatR

Project Backlog - Team 10

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Problem Statement:

Life as a college student can be challenging. New students need time to adapt to the, often confusing, credit(s) system while continuing students repeatedly require assistance in the process of selecting courses and buying/selling books. *GraduatR* guides each student by providing them with a personalized profile, access to an elaborate rating system, a marketplace for book exchange, and a social media outlet for communication with other students all in one location.

Background Information:

- The Problem: Need to unify different resources available to students on a single integrated platform.
- The Domain: Mobile Applications
- Targeted Users: Students at Purdue University
- Similar Applications: There are a handful of applications that are similar to *GraduatR* such as Ratemyprofessor for professor ratings, Reddit and College Confidential forums for course information and reviews and Facebook groups for textbook exchanges.
- Limitations: The main drawback of these applications is that even though they provide useful information to students, they are all scattered on different technological platforms. Thus, a simplistic unified approach would be beneficial for students. *GraduatR* takes a simpler, more social, peer-based and integrated approach in unifying these elements into one application.

Requirements:

Functional:

1. As a user, I would like to be able to create a *GraduatR* account using Google and/or Facebook credentials.
2. As a user, I would like to login and manage my *GraduatR* account.
3. As a user, I would like to customize my *GraduatR* profile.
4. As a user, I would like to provide a profile picture for my profile.
5. As a user, I would like to be able to set my current status as an undergraduate student, graduate student or tutor.
6. As a user, I would like to be able to be able to sell books to other students.
7. As a user, I would like to be able to view on-campus events.
8. As a user, I would like to be able to flag inappropriate and irrelevant comments.
9. As a user, I would like to be able to delete my account when I want.
10. As a student, I would like to be able to search for courses and professors.
11. As a student, I would like to be able to buy books from other students/users.
12. As a student, I would like to be able to select previous courses that I have taken.

13. As a student, I would like to be able to view the courses that other students have taken.
14. As a student, I would like to be able to look at all courses available at Purdue.
15. As a student, I would like to be able to rate professors on a five-star scale with respect to the specific class.
16. As a student, I would like to be able to rate courses on a five-star scale based on difficulty.
17. As a student, I would like to be able to give comments on classes I have taken and a professors I have had.
18. As a student, I would like to be able to give ratings anonymously.
19. As a student, I would like to view the ratings of a professor/course.
20. As a student, I would like to be able to see the average grades/GPA received in a class.
21. As a student, I would like to see the average exam difficulty of the exams in a class.
22. As a student, I would like to contact other students who have taken the class that I wish to take.
23. As a student, I would like to be able to look for tutors for a particular course that I need help with.
24. As a student, I would like to be able to create study groups for a specific course with other students who are enrolled.
25. As a student, I would like to be able to choose to keep my grades hidden from other users.
26. As a student, I would like to create group chats to reach multiple people at once.
27. As a tutor, I would like to provide my contact information to the students in need of help.
28. As a tutor, I would like other users to contact me directly through the application.
29. As a parent, I would like to be able to view course details for classes.
30. As a parent, I would like to be able to view the final grade averages for classes.
31. As a developer, I would like to expand the app for all courses offered at Purdue.
32. If time allows, I would like to be able to see course recommendations based on previous courses I have taken and my previous reviews of courses.
33. If time allows, I would like to view past exams for any class.
34. If time allows, I would like to be able to view any study material/notes for my classes.
35. If time allows, I would like to create my course calendar so that I can stay up to date with assignments.
36. If time allows, I would like to be able to make transactions so that I can buy and sell course textbooks.
37. If time allows, I would like to see a map of my campus.
38. If time allows, I would like to see a visual display of where my classes are located within each building.
39. If time allows, I would like to view the capacity of each study area and/or library (i.e. Reading Room, Hicks, Krach, etc.).
40. If time allows, I would like to expand and implement this app for other universities.

41. If time allows, I would like to receive notifications.

Nonfunctional:

1. As a developer, I would like this application to run on Android devices.
2. As a developer, I would like to improve the user interface and make it easy to understand.
3. As a developer, I would initially like to handle 100 users using the app simultaneously.
4. As a developer, I would like to protect the information that my users provide.
5. As a user, I would like to access information through the cloud instead of updating the application periodically.
6. If time allows, I would like to scale this app to other platforms (iOS, web, etc).