System Request

Project Name: Classrook

Business Need:

- Build a centralized repository to host and share course material within the NYU Abu Dhabi community. This includes course reviews, syllabuses, past assignment prompts, and exams. This is prompted by the large amount of requests on social media platforms from students from different classes for resources on different classes.
- Act as a primary resource for students to consult when looking for class resources, thereby removing the hassle of looking for material on other platforms.
- Minimize data redundancy in constantly having to resend course resources whenever an individual makes a request to view resources.
- Prevents unfair advantages created by certain students being able to access resources through upperclassmen.
- Comparative product analysis: Quora, Zhihu and Yahoo Answers are - not personal enough, are often too subjective and story-based. RateMyProfessor - may have ratings from students of other universities; doesn't have TA ratings. NYU courses website, Albert does have official information. But they may be not entirely up-to-date, especially for humanities/arts majors. CourseHero, OneClass requires paid membership - and yet they may offer too much information that may be plagiarised. NYU needs a platform that does not have these disadvantages.

Functionality:

- This system should allow students to rate, and give review to courses.
- This system should let students upload relevant course material,
- The system should allow users to organize those material according to course code, semester, and section number.
- The system should allow users to search materials by course name
- The system should allows users to search for courses based on department and instution.
- The system should anonymize each user by displaying a random alias instead of name.
- The system should allow users to customize their profile by uploading avatars.
- This system should award users who give review or upload materials app credit.
- This system should allow users to download course material using app credit.
- Students should only be able to preview materials, with access after paying credits.
- This system should record user information, such as major, class, and nationality.
- This system could give class recommendations based on the pattern of past courses taken.

Expected Value:

Tangible:

- 0.2 GPA increase in average increase in student performance in class over the year.
- 30% Decrease in the number of emails requesting resources from professors.
- 80% Reduction of Facebook Room of Requirement Group requests for course materials.

Intangible:

- Improvement in the way students share class resources between each other.
- Increase in the number of student to student contact for community building.
- A reduced workload on professors to curate dedicated resources for students.
- A reduction of cheating incidents as professors are able to monitor resources shared.
- A elimination of unfair access to past resources for students who know upperclassmen.
- An increase in student satisfaction with regards to course satisfaction

Special Issues or Constraints:

- Should only allow users with NYU educational email addresses to register.
- The system should verify that the user is real by requiring a confirmation email.
- The system should not store user passwords in plain text for security.
- Professors should be able to verify their status and get administrator privileges.
- Professors should have access to all course materials without needing app credit.
- Course material should be removed upon request by professors.
- Course materials should not be accessible to people outside of the platform.