Senior Project Meeting Report

Project Title: Pre-Calculus Mastery Game

Meeting Date: 01/31/2024

Location: Olmsted building W231

Duration: 35 minutes

Attendees:
- Zakaria Coulibaly
- Hammad Ahmad
- Prad Nanduri

Discussion Points:

During the meeting, we presented the project overview, objectives, and the planned technology stack for the Pre-calculus Mastery Game. We discussed the project scope, including education content, gamification elements user interface design, progress tracking and technical requirements.

Faculty Advisor's Feedback and suggestions:

1. Educational Content:
- The advisor emphasized of aligning the content with curricular standards and suggested consulting with mathematics educators to ensure the relevance and accuracy of the pre-calculus topics covered.

2. Technology Choices:

- The advisor recommended reviewing the chosen technology stack, especially the use of React Native for cross-platform compatibility to ensure it meets the project requirements.

3. API Choice:

- It was questioned to clarify the building strategy of the API such as if it will be better to build an API from scratch or subscribe to a private available API for the different quiz questions.

4. Backend stack:

- We discussed the organization of the backend such as the stack to use, and can we use it to achieve the demand of the project. Among a plethora of backend stack availability, it was questioned to work together and choose the one suitable to quickly, easily achieve the need.

Action Items:

Based on the feedback and suggestions, the following action items were identified.

- Consult with mathematics educators to review and enhance the educational content.
- Review and possibly revise the technology stack to ensure it meets all project requirements, including scalability and security.
- Clarify a clear decision of building an API from scratch or subscribing to a private one.
- Clarify the choice of the backend stack suitable for the project.

Next Steps:

The team will address the action items outlined above and prepare for the next phase of development. A follow-up meeting with the faculty advisor will be scheduled to discuss progress and any challenges that arise.