**Project Title:** Pre-calculus Mastery Mobile Application

**Team Name:** Math Mavericks

**Team Members and Contact Information:**

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**Project Advisor:**

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**Project Description:**

The Pre-Calculus Mastery Application is a mobile application designed to make learning pre-calculus concepts engaging and interactive. Inspired by gamified learning platforms like Duolingo, our application rewards users with lives for correct streaks, which can then be used to unlock additional quizzes and lessons. The application encompasses key mathematical topics such as functions, trigonometry, limits, derivatives, and integrals. Our goal is to enhance the learning experience and boost concept retention through interactive lessons, quizzes, and practice problems.

**Technologies:**

* Developed using React Native for cross-platform accessibility on IOS and Android devices.
* Backend database management utilizing AWS Relational Database Service.
* Contentful for storing static data.
* Type form for generation of the different quizzes.

**Roles and Responsibilities:**

* Pradyumna Nanduri: Programmer, specializing in JavaScript, Python, and SQL, and project organization.
* Zakaria Coulibaly: Lead Programmer, UI/UX Design, React native, JavaScript, Python scripting, and code maintainer.
* Hammad Ahmad: Database Architecture, JavaScript, Java, C++, SQL, and management

**Repository Link:**

We are using GitHub for this project.

https://github.com/levisstrauss/Precalculus-app