**Business Case for Tutor Analytic Solutions**

**Date**

**Prepared by:**

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| 1. **Introduction/ Background**   Currently, Code Samurai, the Kean Code tutoring program, uses Google Sheets as a check in/out method for Students and Tutors. Prof. Wang, the Program Coordinator, has explained to the tutors that it is important to sign each student in for tutoring because it will determine whether more tutors are needed in these subjects or time frames. However, often these logs are not filled out because tutors get caught up helping and forget to check-in/out. |
| **2.0 Business Objective**  We are creating a tool that will track student/tutor activity and provide analytical information, which will allow the continued success of the code samurai program. |
| **3.0 Current Situation and Problem/Opportunity Statement**  Program has a hard time measuring metrics of tutor/student sessions because of manual analytics/flagging process. |
| **4.0 Critical Assumption and Constraints**   * Every student/tutor has a smart phone or laptop * Every Student has a @kean.edu email * Analytics will aid in administrative decision making * Wi-fi/internet functional * System outages   . |
| **5.0 Analysis of Option and Recommendation**  Google Sheets requires students to remember their class ID when signing in. Many students take a few minutes to look it up in their papers or online resources, but at times the student is not very helpful and are looking for immediate assistance. Our app will have classes listed under their tutor when signing in so they can see the name and class ID.  Students will be able to find online resources with the sign in process |
| **6.0 Preliminary Project Requirements (what are you going to produce?)**   * MySQL server * Webserver * Github * Test devices/Virtualization |
| **7.0 Budget Estimate and Financial Analysis**  **N/A** |
| **8.0 Schedule Estimate**  **Separate document** |
| **9.0 Potential Risks**   * User passwords must be encrypted * Losing user data   + GPS info is sampled to conduct a Boolean check if they are NAAB   + School email   + Passwords * Data loss * Mysql injections * Cookies sessions (we should use sessions) * Inadequate experience * Not accurate schedule(**NOT ALLOWED)** |
| **10.0 Exhibits**  Exhibit A: Financial Analysis  N/A because we use no money |