**Deliverable 1:**

**Helping Hands: System Request**

University of Maryland, Baltimore County

Professor: Shiva Sharma

IS436:1645

**Date:** 02/20/2019

**Team Members:**

Timnit Tesfatsion

Daniel Bae

Briana Jenkins

Wonjin(James) Choi

Anusha Malla

Haythem Abdelkhalek

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| **System Request** |
| **Project Title:** Helping Hands  **Project Sponsor:** Ira Fabri, Supervisor of the Tutoring Program at UMBC  **Date of Authorization:** February 14th by Professor Sharma  **Project Start Date:** February 13th **Project Finish Date:** TBD |
| **Key Schedule Milestones:**   * System Request and Feasibility (10%) 1 month * Planning (15%) 1 month * Analysis (25%) 2 months * Design of App (25%) 3 months * Implementation (25%) 3 months |
| **Budget Information/Value:**  We expect Helping Hands to:   * increase profit and increase consumer productivity by providing college students the necessary tools and resources, specifically tutors, that will enable them to be successful in their classes. * elevate the number of subjects our tutors are able to offer in order to expand our clientele. * provide better ways of communication from student to scheduled tutors by providing a stream of notifications and using internal app’s chat system as a conduit for communication.   Company estimated value include the following:   * $8,000 in sales per semester per university. |
| **Project Manager:** Timnit Tesfatsion, tt5@umbc.edu |
| **Project Objectives/Business Need:**   * This app will help UMBC save money by making its own app.   + Long-term, after debug and implementation, UMBC could sell this product to other universities.   + The ultimate goal is that this app would make any university’s tutoring service to be independent. The supervisor would have full control of the app (but not the code). |
| **Main Project Sources Criteria:**  Task 1:   * Give permission to students and tutors the ability to change their schedules. For high-demand, you can use the app to schedule a session. This means that your schedule has to be correct and up-to-date. * For low-demand, students have to contact the supervisor of the Learning Resource Center through email to be able to see if there’s any tutors for the course they need help with.)   Task 2:   * All courses have to be listed on the app. No emails between students and tutors.   Task 3:   * The app needs to have a simple messaging system for tutors and students to chat (needed when a student is not coming or going to be late, or simply to ask any information).   Task 4:   * Supervisors can give permission to new hired tutors to become a “tutor” in the app.(Right now, supervisors have to contact StudyTree support to ask for it. This usually takes days).   Task 5:   * Students can add personal details in their profile, like “student with disability”, or “retaking this course”, or “Need to practice speaking only (for language tutoring)”. This will help tutors prepare for their sessions before hand and be more efficient. |
| **Approach/Requirements:**   * We are going to use the android studio software * Using SQL database with java for the coding aspect |
| **Special Issues or Constraints:**   * There are multiple apps on the market that provide tutoring for students. * In order to gain a big pool of clients, we must complete this project as soon as possible. We would like this app to become mainstream and have students default to our app instead of using other apps that may provide similar resources. |

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| **Roles and Responsibilities** | | | |
| **Name** | **Role Description** | **Bio** | **Contact Information** |
| Ira Fabri | Project Sponsor | Supervisor of the Tutoring Program at UMBC | [fabri@umbc.edu](mailto:fabri@umbc.edu), (410) 455 3905 |
| Timnit Tesfatsion | Project Manager: I will overlook the overall project from start to finish. Also, I will coordinate meeting times as well as work with each team member to meet deadlines as well as assign responsibilities. | I am an information Systems major and I have some knowledge with SQL and I have experience with project management based on previous class I took. | [tt5@umbc.edu](mailto:tt5@umbc.edu), (301) 747-8721 |
| Daniel Bae | Programmer: As the lead programmer, I will oversee and code the basic structure of our app. It will encompass Java, HTML, and SQL code with the possibility of additional languages. | I have a bachelors in Biological Sciences; I am 24 years old | dbae1@umbc.edu , (443) 845-8434 |
| Briana Jenkins | System Design Analyst: takes both jobs of a system analyst and a computer programmer. I will be designing the design layout for the app. I will be using the android studio software to complete this task. | My name is Briana Jenkins. I am 23 years old, and a senior. | bri20@umbc.edu , (301) 609 -1765 |
| Wonjin (James) Choi | QA/Business Systems Analyst: Ensure software is implemented with the requirements needed. Conduct analysis to create long term business solution. | I’m a 24-year-old senior majoring in information systems. | choiw1@umbc.edu , (443) 798-5540 |
| Anusha Malla | QA: I will be manually testing the app and the codes to prevent malfunctioning code or app. | I come from a landlocked country Nepal. I am 21 years old, can speak 4 different languages and a senior in Information Systems. | vc15539@umbc.edu , (443) 722-9151 |
| Haythem Abdelkhalek | Database Developer: I will design a fully functional SQL-PL/SQL database with functions, procedures, and triggers that will be the base of the App. | Senior Information System’s major working part-time as a database developer. | haythem1@umbc.edu , ( 410) 599-3451 |

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| **Group Meeting Times** |
| * Every Wednesday from 7pm to 8pm in the RLC   + If school is closed due to weather condition, our group meets online via Google Hangout * Throughout the week, we chat through GroupMe for updates, reminders ...etc. |