

Deliverable 1:

Helping Hands: System Request

University of Maryland, Baltimore County

Shiva Sharma
IS436

Date: 02/20/2019

Team Members:
Timnit Tesfatsion

Daniel Bae

Briana Jenkins

Wonjin(James) Choi

Anusha Malla

Haythem Abdelkhalek

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.

Roles and Responsibilities			
Name	Role Description	Bio	Contact Information
Ira Fabri	Project Sponsor	Supervisor of the Tutoring Program at UMBC	fabri@umbc.edu , (410) 455 3905
Timnit Tesfatsion	Project Manager: I will overlook the	I am an information	tt5@umbc.edu , (301) 747-8721

	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.	Systems major and I have some knowledge with SQL and I have experience with project management based on previous class I took.	
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