To : Bob Waters, Olga Menagarishvili

Cc : Team Members

Subject : CS3311/LMC3432 Desired Projects

Dear Professors Menagarishvili and Waters,

We are a junior design team writing to introduce ourselves and our qualifications for three desired projects.

**Our Team**

Our team consists of five Computer Science students at Georgia Tech, with the following technical experience (in order of proficiency) :

1. **Ernest Lai:** Java, MySQL, JavaFX, C, Android
2. **Raghav Kaul:** Java, Javascript, Android, PHP, MySQL
3. **Jeongsoo Kim:** Java, MySQL, Android, Linux, C
4. **Sarthak Mohapatra:** Java, Android, PHP, MySQL, Javascript, C
5. **Lovissa Winyoto:** Java, C, Android, JavaFX, Linux, MySQL

**Project Selection**

Our team’s main interest is in user interface development on ***GHOST : Global Hepatitis Outbreak and Surveillance Technology (project 20)***. We are especially interested in this project because members of our team are passionate about health informatics and UI design and are interested in pursuing careers in the intersection of these disciplines. Our secondary interests are in mobile app development with ***WorkReadyGrad (project 15)*** and development with ***MentorWeb (project 25)*** because education technology is a rapidly developing field with a professional relevance to our career paths.

**Qualifications**

All members of our group have experience with *Android* development from a previous design course. This skill will be useful for projects 20 and 25, which require UI development, and also project 15, which specifically has a mobile development component. One of our members also has previous work experience with designing and prototyping mobile and web interfaces for consumer facing applications.

Additionally, given that the projects involve data analysis, they all require creating, reading, and writing from database schema. All five members of our group have knowledge of - or experience with - writing such database queries in *MySQL* and *PHP* from previous academic and personal projects (specifically CS 4400, a databases course).

Finally, two members of our group have experience with data visualizations in *Javascript*, one member with experience with health data - specifically, creating a visualization for mapping and analyzing incidences of *E. coli*. Such previous familiarity with health informatics would be helpful for understanding and implementing idioms for UI design in project 15.

**Contact**

Thank you for considering our qualifications and our match for the desired projects. The best way to contact us is either by responding to this email or contacting our team contact (Ernest Lai). We have also included contact information for each member below.

Thank you,

Ernest Lai (ernest.lai@gatech.edu)

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