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CS H215: Human Computer Interaction

Professor Dougherty

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### **Term Project Proposal**

For the term project, I would like to create a web application that will streamline the clearance process for LILAC | Civic Engagement. In general, Bryn Mawr and Haverford students who want to volunteer for a program or take a Praxis course have to do their clearances at the Civic Engagement Office. As the clearance specialist, I receive and process dozens of forms every week. However, the procedure is not very efficient. First of all, as students need to fill out the forms in hard copies, they have to hand-deliver them to the Civic Engagement Office, which is located at the Cambrian Row on the other side of Bryn Mawr campus. Secondly, it is not environmentally friendly to use so much paper for the forms. Furthermore, I have to manually type all information of each student into the system, which is repetitive and significantly slows down the process.

This web application will have two main interfaces. The first interface is for students who need to submit their clearances. Using the application, students will:

- Not have to print out the forms nor deliver them anywhere;
- Select which program they are submitting the clearances for;
- Be able to choose which forms they need to fill out (FBI Fingerprinting Registration, PA Child Abuse Clearance, or Criminal History Record Request);
- Be guided through the process as they fill out each form online;
- Be assured that their information is correctly entered and securely delivered to the Civic Engagement Office.

The second interface, which will be much simpler, is for me and faculty/staff who need to access the clearances. This application will automatically put all the forms of each student into the system for me, which will facilitate the procedure and make it more organized. It will also be fair for all students as their clearances will be processed in the order they come in. Moreover, the application makes sure that required information is not missing, so I will not run into hiccups while handling administrative forms. Faculty and staff who are in charge of volunteer/Praxis programs can be given privileged access to these files to keep track of their students' clearances.