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Project Report

Summary

This application interfaces with the internal website "GWAR" maintained by the NROTC unit at GW. Once you login, the application delivers a list of contacts that you can call, a list of the most pertinent files for easy access, and ideally much more.

Screen Capture

The enclosed screen capture is from the Contacts page. The application lists contacts in order of seniority of their billet (job), and when you click on the button, it launches the phone's dialer and calls that person.

Problems Encountered / Resolved

1) Interacting with the php/mysql website

This proved to be the toughest part of the project. I had to have php pages coded that would respond to the application's functions. Initially was looking for some sort of built-in Java solution for SQL but came up short. Tried JSOM, hated how it worked. Eventually reworked the coded php to output in XML, as I already had an XML reader up and running from lab 2. XML worked well in retrieving the contacts from the website.

2) Nonfunctioning modules

Due to some bugs in the php code I wrote and possibly the Java code that accompanied them (and time constraints), I had to abandon some modules of this project. Most of them required posting information back to the website instead of just receiving data and interacting with it.

Final Notes

Since this application has real value to me and my peers, I plan on continuing to develop it over Winter break and next semester, adding the modules and functionality I think would be best suited for using this website on-the-go.