ISP Project Progress Report

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Ryan DeBoer, Logan Mashchak, Connor Taylor

**Introduction**

Our project will consist of a 5-year BS/MS tracking app for the College of Engineering at the University of Akron. The app will enable a student to enter in their information into the app to see their current academic status as far as completing their degree. It will show what classes they have taken and what classes that still need to be completed. Users will also have the option to create an account to save their coursework. It is planned to have all members split the work evenly (Ryan 33.33..%, Logan 33.33..%, Connor 33.33..%).

**Architecture**

The Architecture that will be utilized in this web application is PHP, along with

mySQL as the database of choice. PHP was selected mainly for the ease at which it can be used in tandem with mySQL. Also, the options that the two give together enable the ability to add in many different functionalities to our project.

**Business Logic**

The app will prompt the first time user for their student ID, student password, major and current year of school they are in. It will then display the classes the user should have taken so far, and they will select which ones they have. The page will then return which classes they should have taken and what classes they still need to take. If it is a returning student, they will input their student ID and password only. The app will then return the user’s name, major, and the classes that still need to be taken from a previous log in.

**Database Design**

For our database, we will have a user table for students to have a username, password, courses taken, courses they need to take, major, and year. Another table will be the courses with course name, course number, when they’re offered, and credit hours. The last table will consist of the courses required for each major by year.