Final Report

List of Files Including Size and Number of Lines:

|  |  |  |
| --- | --- | --- |
| File Name | File Size | Number of Lines of C++ Code |
| Assignments.h |  |  |
| Assignments.cpp |  |  |
| Students.h |  |  |
| Students.cpp |  |  |
| Courses.h |  |  |
| Courses.cpp |  |  |
| Total |  |  |

Lessons Learned:

Working in such a large group has been a challenge for all of us. We have had to divide tasks in such a way that we can each do what we need to do, while also making sure our work is compatible with what the other members in the group are doing. In the beginning we had a basic outline and tried to go from there, but this led to some incompatibilities.

What we did was go back and really plan everything out so that we had a comprehensive outline of what everyone’s code was going to do and what each actor would have access to throughout our program. In the end it all worked out, but it would have saved us all time if we had planned more in the beginning creating a fleshed-out coding structure instead of a loosely defined idea. So the big lesson we learned was how to make a good plan for such a large team that helps make everything fit together.

Another issue our group faced was timing. Each team member had different times that they felt like their part should be done, and this led to different parts being less complete than others and also some parts being incompatible. To fix this everyone should have created time tables for when they thought that their part should be done, and then we could have all talked about our schedules and created a comprehensive timeline for the work to be done.

Future Work:

Our current model creates and displays a fleshed-out grade book for teachers, but we could potentially expand by connecting the grade books of multiple teachers and creating a alternative grade sheet for students. This model could then be applied throughout a school, or across multiple schools.