**Application Engineering & Development – Summer 2021**

**Assignment3 Report**

[**(Github Repo)**](https://github.com/aeloyq/NEU_INFO5100_Assignment3)

Here is the presentation of INFO5100 Homework assignment3 from our team. The teammates are Minghui Qiu, Jialai Wu, and Qian Yu. First, we’d like to make a brief introduction, and then show sequence diagrams, and analysis reports, and then make the app presentation to show more details.

In this application, we combine performance metrics in measuring education quality, course feedback, and career development. As a result, we realize multiple functions like university and companies management, course registration, and ranking. What’s more, we define the report to show the relationship between courses, GPA, and career path.

We set several roles as the university, college, department, faculty, students, and employers and set different roles according to their unique responsibilities.

In the whole class diagram, we surround course registration to develop university hierarchy management, including CRUD of multiple organizations, persons, courses. Moreover, employers have the authority to promote their employees from the university to analyze the interaction between education and career path.

We also build diagrams based on different role types. These diagrams clearly describe their responsibilities and benefits for UI design.

When it comes to analysis reports, we make multiple dimensions of analysis and comparison. For example, we make course analysis reflecting feedback and student salary to know which course is the most popular? Which course is the most useful for students’ career paths?

We have faculty analysis which can help figure out educational and practical feedback. Student analysis focuses on grade and career path so that we can see there is some relationship between GPA and career development. Employers can analyze work performance with GPA, so it is more efficient in making hiring and promotion decisions. Thank you for your watching. Now we will switch to application practice.

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| **Task** | **Assignment** |
| Model design | Jialai Wu |
| UI navigation design | Jialai Wu |
| Model implementation | Qian Yu |
| Data faker module | Qian Yu |
| UI implementation | Minghui Qiu, Jialai Wu |
| Controller implementation | Minghui Qiu, Jialai Wu, Qian Yu |
| Test | Jialai Wu, Minghui Qiu, Qian Yu |
| Report | Jialai Wu |



























