**Approach and Feasibility Report**

Due Date: February 3, 2020

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**Introduction:**

This report answers the basic questions about Team 4’s approach to this project to develop a mobile application for matching teachers with schools.

**Questions and Answers:**

1. **Does the team wish to reconsider the project?**

The team would like to switch projects to instead develop a mobile app which aims to connect teachers seeking a job position, and schools searching for educators. We will initially call the mobile application Teacher Tinder, but the name is open for modification. The application will have a database of teacher profiles and school profiles, and a search function for teachers to search and filter through schools (and vice versa).

1. **Platform (smartphone, web app, tablet, etc.)**

We expect to make a mobile app for Android using primarily Java. We will use SQL for the database portion. We will develop the app primarily using Android Studio. Most of the code for the project will be written in Java and SQL, with some layout components in XML.

1. **What skills does the team have for this project?**

The team currently has a good understanding of Java and some understanding of SQL. Part of the team has good understanding of mobile architecture, Android Studio, and the MySQL system.

1. **What skills does the team need to develop?**

The team needs to develop a better understanding of SQL since only a few of us have been exposed to it. Most of the team has not worked on mobile apps before, so the team will also need to develop more familiarity with mobile app development, and specifically with Android development. The team will also need to augment its understanding of Github and its integration with Android Studio.

1. **What Process Model should the team use?**

We have chosen to pursue this project using the iterative model. This project has definitive subparts, and the iterative model would allow us to develop the project using functional and testable pieces. It is useful that the iterative model gives us the flexibility to alter requirements throughout the development process. Since none of the members of the team are the target audience for the application, this model is especially useful as it allows us to adjust requirements as necessary.

1. **Is this project actually feasible for development by this team?**

Substantial planning and research is necessary, but the project should be feasible. We are confident that we will be able to create a searchable database and application framework but we believe that any sort of function to match teachers with schools using an algorithm is a stretch goal.

1. **How will the team be organized and managed?**

Each team member will be responsible for one or more components of the project. They will be responsible for researching and implementing their portion of the application, as well as teaching the other members of the team about it. The team leader will be expected to ensure the team members are making progress and communicating with each other.