Team 1 CSC 4350:

Software Engineering

Dr. Rao Casturi

**Team Members:**

1. Ravier Konan, git: @ravjs
2. Ma Juarez
3. Taylor Duncan
4. Cesar Spaniol
5. Raktim Biswas

Project Name: **Ignition**

Phase 1: Initial

**Project Description**

**Introduction**

**Technologies**

Our client side interface will be a web page designed with HTML, CSS and JavaScript implementing all the concept of responsive design. This will allow our application to be also mobile friendly. The frontend will be connecting with a the Flask Framework, which is a Python Web Application Framework based on the Werkzeug WSGI toolkit and Jinja2 template engine. WSGI stands for Web Server Gateway Interface and has been adopted as a standard for Python web application development. We decided to use Flask because it allow us to accomplish by writing few line of code. It is easy to maintain and since it is a python language we have the possibility to extend our app with the full power of python libraries.

The backend will communicate with a MySQL database where every data of the application will be store.

For our version control we will be using Git and GitHub and Azure DevOps to track backlog.

Our main IDE will be Visual Studio Code because it is a cross platform, and easy to extend with many plugins.

Summary of our stack:

* Programming Languages: Python, Flask, HTML5, CSS3, Firebase
* Graphic design: Photoshop, Adobe XD
* Version Control: Git, Azure DevOps
* Database: MySQL, SQL
* IDE : Visual Studio Code

**Team-Bio Data**

**Ravier Konan:** is a senior computer science student at Georgia State University and has more than three years of programming experience. He possesses a strong knowledge in Web Development with technologies like HTML, CSS, JavaScript and PHP. He as a moderate knowledge of .Net, C# and Python. He has worked in some startup and is currently doing an internship as Software Test Engineer Intern, working on an embed application written in C#. Ravier is organized, detail-oriented, and like to anticipate task, which make him a right fit for an Solution Architect.

**Maria Juarez:** is a senior CS student at GSU with a couple of years of school related programming experience. Maria has moderate knowledge of Java, HTML, PHP and is also familiar with MySQL. She has done a couple front-end and back-end assignments/projects through GSU courses such as web development class, mobile app development, and operating systems. She is interested in learning more about back-end development. She is also organized and has great time management skills.

**Taylor Duncan**: is a Senior computer science student at GSU and has about 4 years of experience. She has decent experience of Java and Python and is familiar with things like C and SQL. Taylor has had experience with making projects with Python and Java in the past and is generally interested in learning many of the new technologies that will be applied in this project and that have to do with Databases.

**Cesar Spaniol**: is a senior computer science student at GSU that has four years of experience. Cesar has moderate/intermediate knowledge of Java, HTML, CSS, Python, JavaScript, and C/C++. He is also familiar with reach, SQL, PHP and AWS. Cesar has worked in front-end development since 2012 and is knowledgeable on multimedia illustration. Cesar is interested in the integration of different front-end and back-end languages that will be used in this project.

**Raktim Biswas:** is a senior mathematics student at GSU with a concentration in computer science. Raktim is primarily experienced with Python & MATLAB through projects that demonstrate numerical methods and is familiar with Java, C, and SQL. Raktim is interested in learning about how statistics and data science blend principles of mathematics and computer science. Raktim hopes to learn about front/back end development throughout this course to improve his programming knowledge.

**Why did we pick this project?**

We decided to pick this project because it require us to understand a lot of technologies and use all of our knowledges from other classes and apply them to deliver a good product. By going through this process we will have an amazing learning experience. In addition we believe our project can have real world impact by helping people struggling to find a job since in the relatable experience of searching it becomes more of a direct hire.

In fact in this current climate, it is very difficult to find your dream job when you have few experience.