###### **Job Application Tracker System**

**Project Report**

ITCS 6112 Software Systems Design and

Implementation Fall 2019

**Team Members**

Sumedh Joglekar - 801084301

Srishti Tiwari - 801092498

Pratik Parekh - 801076521

Sruthi - 801073585

Anup Bharade - 801077163

1. **Abstract**

A student applies for multiple job opportunities for internship and then for full time in his career. It is difficult to keep track of all these various applications and act on it using excel sheets. Moreover following up with the respective HR on a regular basis is another problem we face. Our Project “Job Application Tracker” emphasizes on reducing this hassle of a student to maintain list of applications submitted and also track the responses of it. The focus was mainly on the software steps and the Agile Methodology used. Software Development Life Cycle describes the phases of the project in the order they are executed. Each phase produces results that are carrying forwarded to the next phase of the life cycle. The code is produced according to the design which is called the development phase. After the development, the testing verifies the product implementation phase against requirements. In agile methodology, we have used iterative enhancement technique. As iteration based methodology, each iteration in the agile methodology represents a small scale and self-contained Software Development Life Cycle (SDLC) by itself.

1. **Problem Definition**

The project aims to solve ongoing identified problems through a web application. The website aims to solve the user problems by providing a seamless website to track the applications done by user. Job Tracker will save the user’s time by making it easier to track the status of every job and facilitate analysis of the past applications and their progress. Moreover it also provides user insights about their application and their status.

1. **Development Methodology**

This web-application is developed based on Agile Development Model. The requirements of the project are characterized into three sprints. Refer to the Requirement Specification for understanding the requirement scope across the sprints.

**3.1. Sprint Activities: (09/16/2019 to 10/08/2019)**

• Sign-Up/Login Module

• Database design

• User Authentication

• Database implementation

• Sprint 1 functional testing

**3.2. Sprint 2 Activities: (10/08/2019 to 11/30/2019)**

• Bug Fix from Sprint 1

• Add/update application module

• Validation of addedd application

• Add response module

• Sprint 2 functional testing

**3.3. Sprint 3 Activities: (11/31/2018 to 11/27/2018)**

• Bug Fix from Sprint 2

• Implementation of statistics module

• Sprint 3 functional testing

• Integration Testing

• Documentation

1. **Key Deliverables**
   1. **Software Requirements Specification Document:**

This document outlines the business requirements, use cases and system constraints.

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* 1. **Design Specification Document:**

This document outlines software architecture, sequence diagram, component diagram, deplyoment diagram, use case diagram and class diagram.

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* 1. **Technical Documentation:**

##### This document summarizes the programming languages used, database structure and key libraries used in the development process.

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* 1. **User Documentation:**

Working and key use cases of application with screenshots.

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* 1. **Test Documentation:**

This document outlines testing techniques, test report and test environement details.

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1. **Project Milestones**

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| **Date** | **Activity** |
| 09/02/2019 | Kick-off Meeting |
| 09/11/2019 | Problem Statement Finalization and proposal sign off |
| 09/13/2019 | Design Documentation, Requirements Specifications, and Test Plan |
| 10/03/2019 | Sprint 1-Development Sign off |
| 10/11/2019 | Sprint 1-Functional Testing Sign off |
| 10/31/2019 | Sprint 2-Development Sign off |
| 11/04/2019 | Sprint 2-Functional Testing Sign off |
| 11/11/2019 | Sprint 3-Development Sign off |
| 11/18/2019 | Sprint 3-Functional Testing Sign off |
| 11/22/2019 | Integration Testing |
| 11/27/2019 | Documentation |

1. **Conclusion**

Effectively resolving the user issues of tracking the application and its current status is important which is handled by the system .

With the help of statistics users can keep trace and analysis the number of application done by the user on the basis of per month and per day .

1. **Future Scope**

* Can develop it into a mobile application.
* Add chatbot to make the website more interactive.