

## **Job Portal Database: Milestone 3**

### **Project Summary**

The job postings system is the main domain of the application, which includes companies posting and finding applicants and job seekers searching and applying for jobs. The system models relevant information such as contact details, education, and skills for employers to evaluate. The applies relationship between jobs and applicants is the main function of the database.

### **Timeline**

#### **Mar 8 - Mar 14**

All CREATE table statements and data insertion (Devin)

Start learning how to use HTML/CSS to: (Jessie, Lily)

- Display table
- Create buttons
- Add text bars, drop down menus, scroll panes
- Create new pages
- Navigate pages using buttons
- Style the text and format pages

#### **Mar 15 - Mar 21** (14/15 Java/Oracle tutorial)

Finish learning how to use HTML/CSS (Jessie, Lily)

Start creating GUI (Jessie, Lily)

- Pages for create, update, delete, and other queries
- Buttons to navigate through pages
- Table to display queries
- Text bars for users to input

Ensure that tables are correctly structured and data is correct when SQL script is run (Devin)  
Start figuring out how Oracle/backend works, and how that is going to work with our project.  
(Devin)

Start working on queries if we have learned enough from tutorial 6 at this point (Devin)

#### **Mar 22 - Mar 28** (21/22 we have PHP tutorial)

Have all SQL queries done (Devin, Jessie, Lily)

- Insert
- Delete

- Update
- Selection
- Projection
- Join
- Aggregation with group by
- Aggregation with having
- Nested Aggregation with Group By
- Division

Finish implementing GUI (Jessie, Lily)

### **Mar 29 - April 5th**

Input the schemas and run the queries using the GUI to demonstrate the functionality of each query (Devin)

Take screenshots of the data before running the queries and the resulting table (Jessie)

Have backend and frontend linked (Devin and Lily), and extra time in case anything else still needs to be done

Due date April 5

### **Description of challenges/things left to do:**

Create table statements and inserting data

Learn HTML/CSS

Create GUI (pages, buttons for any queries, reading/writing to tables, refreshing etc.)

Learning about how Oracle works on the Backend side

Connect our frontend GUI with our backend