**CS532 – DATABASE SYSTEMS**

**Project: 2**

**Implement Student Registration System using PL/SQL and JDBC**

**(Collaborative Report)**

**SUBMITTED BY:**

|  |  |  |
| --- | --- | --- |
| NAME | EMAIL ID | SIGNATURE |
| VARUN SAXENA | [vsaxena1@binghamton.edu](mailto:vsaxena1@binghamton.edu) |  |
| KUNDAN SHRIVASTAV | [kshriva1@binghamton.edu](mailto:kshriva1@binghamton.edu) |  |
| SEAN GALLAGHER | [sgallag3@binghamton.edu](mailto:sgallag3@binghamton.edu) |  |
|  |  |  |

**MEETINGS**

**First Meeting Details: 11/06/2018**

**Agenda of Meeting:**

1. Introductions, plan to study PL/SQL and review project requirements.
2. Established plan to meet on 11/12.

**Challenges:**

1. Understanding required skillset of the members and divide the work accordingly.
2. Understanding project requirements and learning the implementation of PL/SQL in the project with Java (JDBC) code.

**Second Meeting Details: 11/12/2018**

**Agenda of Meeting:**

1. Divide Queries work among the group members
2. Varun – Queries (1,2,3,4)
3. Sean – Queries (6,7)
4. Kundan – Queries (5,8)
5. Decide Rough TimeLine:
6. Complete PL/SQL Queries – 11/12 to 11/19
7. Complete Interface – 11/19 to 11/26
8. Project Due – 11/28
9. Next Meeting on 11/19.

**Challenges:**

1. Issues in fixing the queries and get them working right.
2. Issues in connecting the remote server with PL/SQL and run the queries.

**Third Meeting Details: 11/19/2018**

**Agenda of Meeting:**

1. Divide the work among the group members
2. Sean – GUI part
3. Varun – Packaging and Documentation
4. Kundan – Work on JDBC implementation
5. Next Meeting on 11/26

**Challenges:**

1. Connection between PL/SQL and Java code with JDBC bridge.
2. Implementing GUI and installing PL/SQL on local machine.

**Final Meeting: 11/29/2018**

**Agenda of Meeting:**

1. Project Review and Demo
2. Report Submission

**COMPLETION OF PROJECT**

The project aims to understand PL/SQL queries using the stored procedures efficiently. Therefore, the plan of action was mainly on the database part and less on the UI design. It also helps to understand the connection between Java and PL/SQL using JDBC. Tentative plan was to finish the project as early as possible and before the project deadline. Every team member has worked on its part sincerely and it is a group effort where each member has helped each other so that the things goes smoothly and complete the project before time with correct output with different test cases. Each team mate followed up on the status of each other’s work and offered help if someone is stuck with an issue. Plan was followed as expected and tried to deliver on time.

**PROJECT EXPERIENCE**

Learnt to use Oracle database, PL/SQL and Java operation with Oracle Database and Queries.

**Positive Lesson Learnt/Accomplishments:**

1. Working in team with mutual understanding.
2. Dividing tasks as per the requirements and team member skillset.
3. Time management.
4. Completion of project on time.

**Challenges Faced:**

1. Working in an unfamiliar technical platform and complete the project part on time.
2. Managing the current project work along with the workload of other submissions.