**COIT20259**

**Enterprise Computing Architecture**

**HT1, 2021**

**Assignment 2 Individual Project Report**

**Unit Co-Ordinator / Lecturer**

**Wei Li**

**Tutor**

**Prabhu Singh**

**Submitted By**

**Bishal Budhathoki 12116421**

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# Team Details

1. Your Name and Student ID: Bishal Budhathoki (12116421)
2. Team Leader: Raken Shahi (12116421)
3. Other Team Members: Laxman Khanal (12123129)

Niraj Prasad Timila (12125320)

# Details on:

1. Team Formation:

Team of four members makes this team. We were a group in another unit for an assignment and due to this fact, we knew each other well and communication was established well.

1. Task Assigning, Role and Responsibility:

We did the task assigning in very unconventional way to make sure that everyone does every part in the 3 tier architecture. So, for me I created a base project with all the files (index.xhtml, EJB, controller) with connection to derby and glassfish server connection. After this I created few of the UI pages and its functionality, backend. I then worked on project report.

1. Project Timeline: This project took us around 3 weeks to complete as my health condition was very poor and had been in and out of the hospital multiple times along with regular visitation and more. Extension was given to us, and we did complete in given time frame.

# Technical Problems

The technical issue that I faced during this project was that my Glassfish server was giving some error. After googling about the error, I found out that it was the Glassfish version 5.1.0 bug and found the solution. Even after that solution, I applied the solution in the wrong file as NetBeans had already installed server at its default location and I had setup the server in different location. It took a while to figure that out but once that figured out server issue was fixed. Few issues were caught during the coding stage but with the help of Moodle video of the tutorials and group discussion we were able to eliminate those issue by our own which was one major requirement in this project.

# Collaborative Problems in Teamwork

We had 2 days class in campus, and we would mostly work in campus even extra hours when there is a need of group collaboration. We also worked individually back in our own time, and we always use WhatsApp group and Zoom for regular meetup, chat on our current milestone and issues and with the feature of Zoom’s remote control one could have access to other system if needed. Since, we had all worked together there was not many issues. Although there was sometimes where one individual was not available when other needs, but it was not much of an issue. I got hospitalized and even after discharge there was some regular visit to the hospital. This definitely caused some issues in the team but from the extension that we received; we were able to complete the assignment.

# Success of Teamwork Factors

Time and communication are the key for this teamwork success. Every member gave their time and did their part. There were most time where individual or even all of us work on the project all day and night or most night. We always communicated regularly and discuss our work and progress. We not only worked where we thrive but, in those areas, where we lack behind so each gets to learn something.

# Skills Gained

Debugging this project was tough. This project definitely taught how to keep the project and its data flow on mind and what function is called by what object and much more without the use of debugger. Setting up Derby and the Glassfish server gave me lot of issue and now if any issue comes while setting up, I can know what the issue is and fix that issue. How 3 tier data communication works is also known.