**CPSC 2221 - Database Systems (Fall 2018)**

**Group Project - Implementation of a Relational Database**

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| **Project Title:** | **Department of Justice Regional Prison Database** |
| **Project Milestone:** | **5a** |

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**By keying our names and student IDs in the above table, we certify that the work submitted with this cover page was performed solely by those whose names and student IDs are included above.**

**Also, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Langara College.**

**Prison Database Use**

The database was created for prison employees (guards and administrators) to keep track of inmates, visitors, and delivery companies that stay or visit the prison. Users must login with a username and password to access the database. A separate interface is used for guard and administrator employees as guards may only access data regarding inmates, and administrators may access all data. Employees can search inmate, visitor, or delivery company information by their name or id. Administrators may also delete and update information.

The prison database is run through the XAMPP server. First, install the XAMPP server, second, run Apache and MySQL from the XAMPP control panel (see Setting up PHP and MySQL tutorial created by Hazra Imran for details on installation).

**How to Install the Prison Database**

1. In phpMyAdmin, under User Accounts, add a user account with username: ‘root’, password: ‘root’, and hostname: ‘localhost’.
2. In the SQL folder of the database files, run the clean.sql script in phpMyAdmin under the Import tab.
3. Next, run the create.sql script from the same SQL folder. This should create and populate the prison database.
4. Copy and paste the database folder into XAMPP -> htdocs folder.
5. In the browser, enter the address ‘localhost/prisondatabase/index.php’ to use the site.

The list of SQL queries used in the project can be found in the ‘Sql\_Queries’ folder.