

Course Project Deliverable II

CSI 2132 Databases I, Verena Kantere

Group 18: Max Dingel and Justin Evaristo

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Project Summary

For Deliverable II of the CSI 2132 Course Project, we have developed a database storing hotel chains, their hotels, employees, customers, and more. We also developed a web app to interact with this database.

Languages used

We implemented the database in PostgreSQL (pgAdmin4), and also developed a web app to interact with it, using Apache Tomcat, Java, and IntelliJ, as well as html and css.

Web App Installation Guide

To use our web app, we suggest the following:

1. Install PostgreSQL (pgAdmin4)
2. Open the “SQL_Files” folder in our attachment, and run them to initialize the database (create tables, triggers, views, indexes, insert data...)
3. Install IntelliJ (community edition is fine)
4. Download Java JDBC Driver from web
5. Download Apache Tomcat from web
6. Download and configure Smart Tomcat IntelliJ extension
7. Download and open our web app’s project file
8. Change port number, ip address, and PostgreSQL password in ConnectionDB.java

DDL Statements

To create the tables of the database, run the queries in the SQL file titled Project_DDL.sql.