

# CSI2132 - Course Project

## Deliverable 2

Group 33:

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a. The DBMS and the programming languages that you have used in your implementation of the application.

- PG Admin 4
- PostgreSQL
- IntelliJ IDEA
- Apache Tomcat
- Java
- HTML
- Maven

b. Specific steps to guide someone to install your applications

NOTE: The project name is ProjectPrototype. This is intended, and is the most up-to-date version of the project, despite the name.

On PG Admin 4 (recommended):

1. Create a new database named “DatabasesProjectV10”.
2. Right-click the schema “ProjectPrototype” and select Restore.
3. In filename, enter the path of the “DatabasesProjectV10” file provided and select Restore.

Generic installation (not recommended):

1. Create a new database by running the following commands in the terminal:
  - a. `psql -U postgres` (Logs you in as postgres)
  - b. `CREATE DATABASE DatabasesProjectV10;` (creates a DB to restore to)
  - c. `GRANT ALL PRIVILEGES ON DATABASE DatabasesProjectV10 TO username;` (grants permissions needed for step 2)
  - d. `\q` (quits psql)
2. Run this command in the terminal:  
`pg_restore -U postgres -d DatabasesProjectV10 /path/to/your/backup_file.backup`  
Where the path is replaced with the actual path to the backup file.  
This will fully restore the database, including all data entries.

Web application installation: Before installing the web application, make sure you have Apache Tomcat version-9; using version-10 and above can cause issues.

1. Run your PostgreSQL database before running the web application.
2. Import the application in your IntelliJ IDEA. You can follow the instructions from Lab-7 for this on how to setup a web application on IntelliJ IDEA.
3. Open the ConnectionDB.java file, which is located under eHotels/src/main/java/servlets. Then change the dbusername and dbpassword with your own username and password.

c. A list with the DDLs that create your database

Automatically ran by restoring the provided backup file using either method.

Following the instructions in b will create and populate the DB schema.

Table 1: Contents of the video Requirement Start timestamp

Requirements	Start timestamp
1	Included in report
2	0:00
3	1:52
4	1:20
5	2:52
6	4:45
7	6:24
8	7:12
9	7:52