CSI2132 Project Deliverable 2 - Group 36
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Development Tools - All Downloads Linked

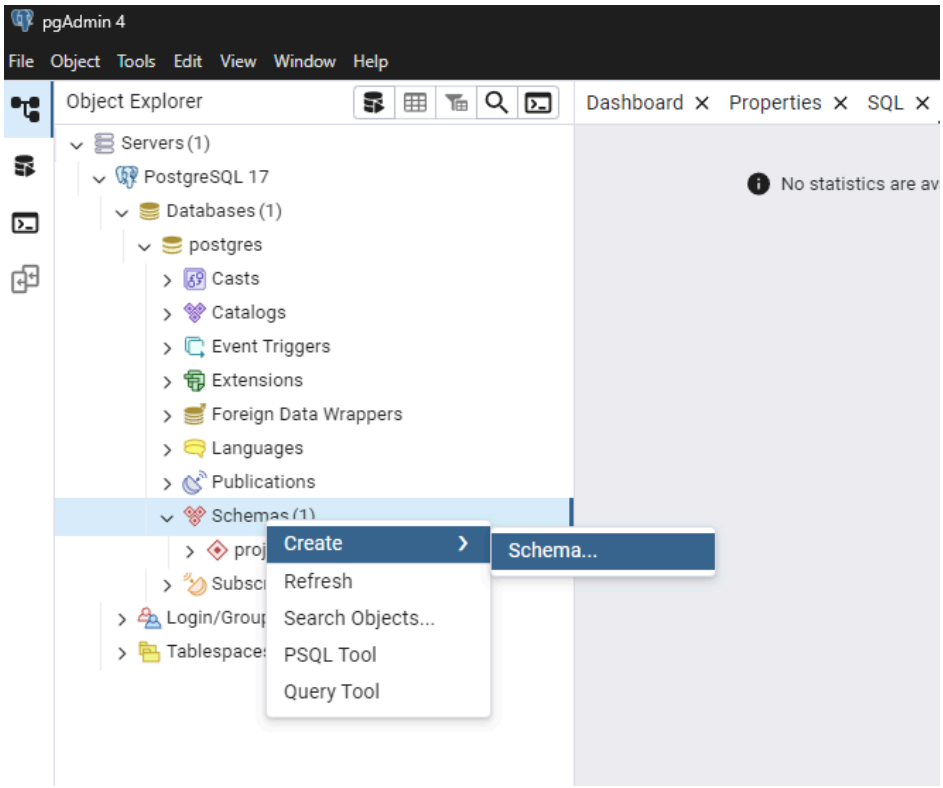
- PostgreSQL for the DBMS
    - pgAdmin 4 for the client tool
- Apache Tomcat for client-server communication (Guide)
    - Ran from within IntelliJ IDEA Community
- Java for the server side of the application
- HTML for the client side of the application

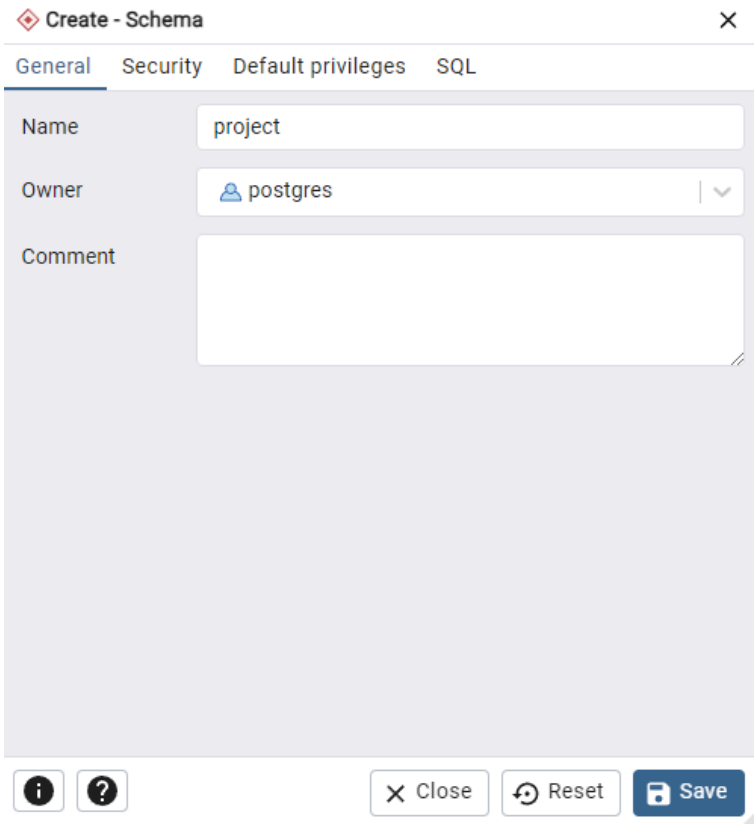
DDLs

Navigate to the Database folder in this project folder. In this order are the SQL files to add.
Schema Creator.sql
DatabasePopulator.sql
Any order for the rest (minus DB Queries)

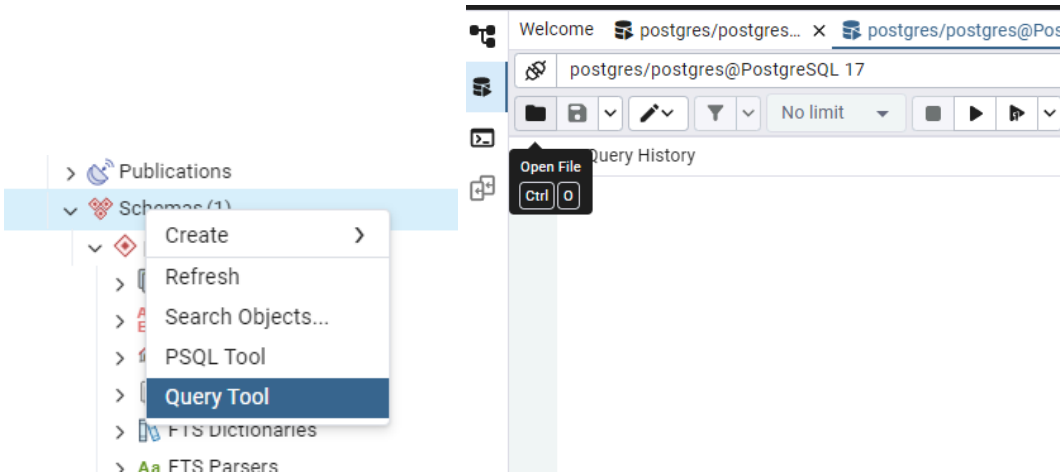
How to get the database up and running

1. Start by making sure all of the linked software above is installed and up-to-date.
2. Begin by opening pgAdmin 4 and creating a new schema under postgres. Name this new schema “project” and then save.



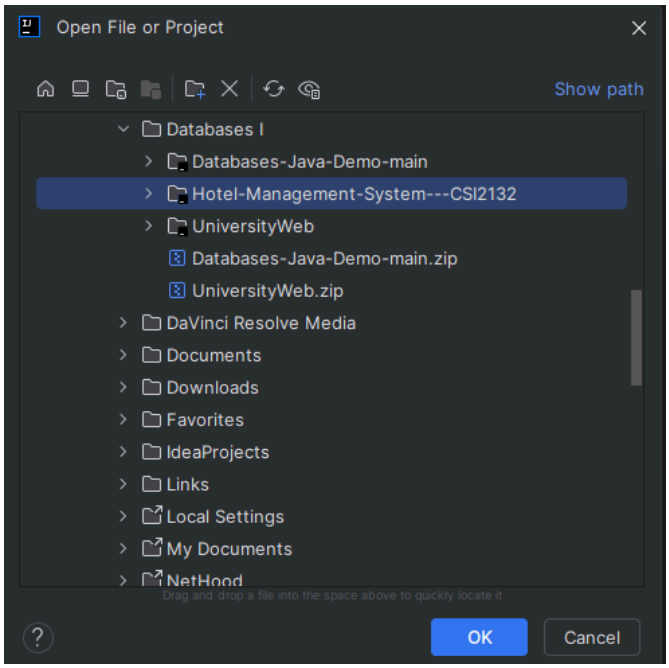


3. Next is to import the SQL files to the database. Start by entering the query tool by right clicking on your newly made schema. Navigate to the top left of the tool and click the open file button. These files can be found within the folder Database. Start by importing Schema Creator.sql followed by DatabasePopulator.sql. Then the rest in any order (aside from DB Queries).

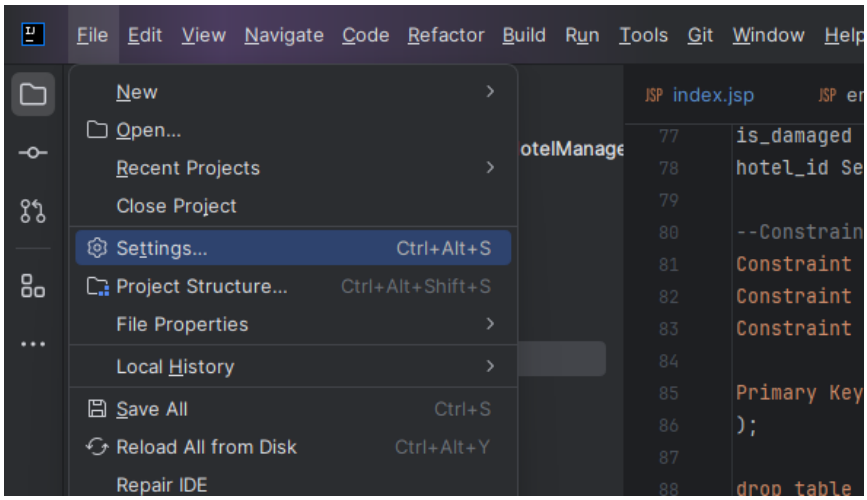


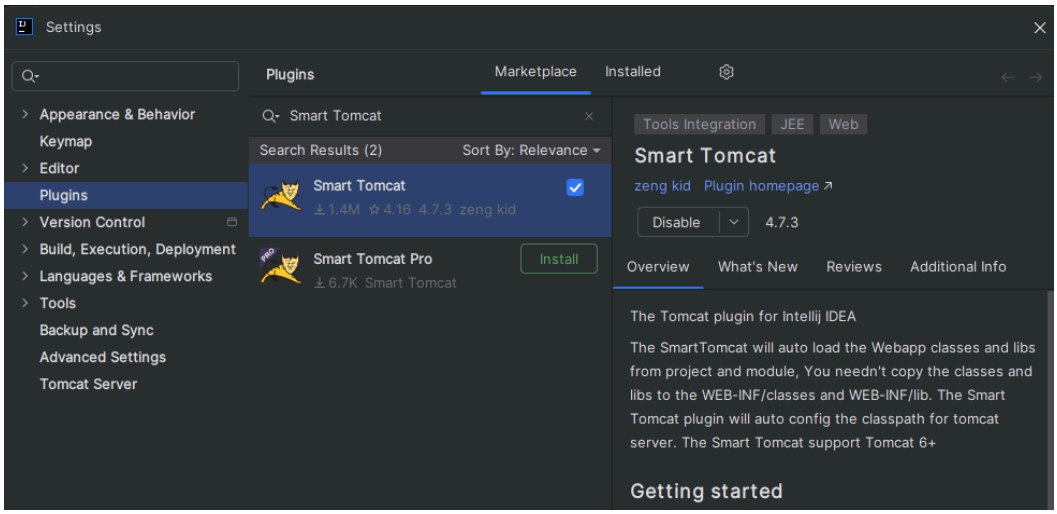
Alternatively, the files can be opened in any text editor then copied over into the query tool.

4. Now to get IntelliJ IDEA set up. Open the application and go to Open Project. Select this project from your files.

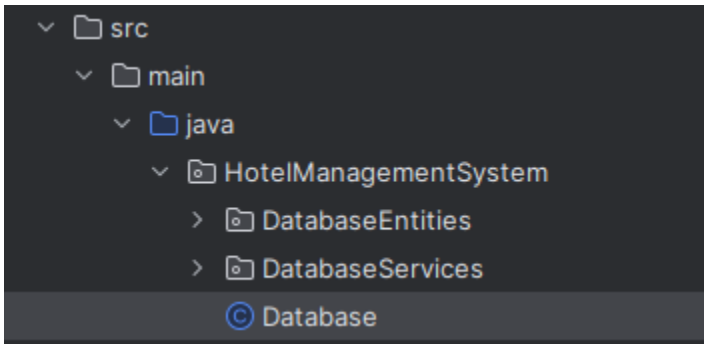


5. Next is to get Apache Tomcat set up. If you have it installed via the method given in the development tools, we can proceed. Within IntelliJ navigate to Settings under File. From there head to plugins, then search and install the plugin Smart Tomcat.

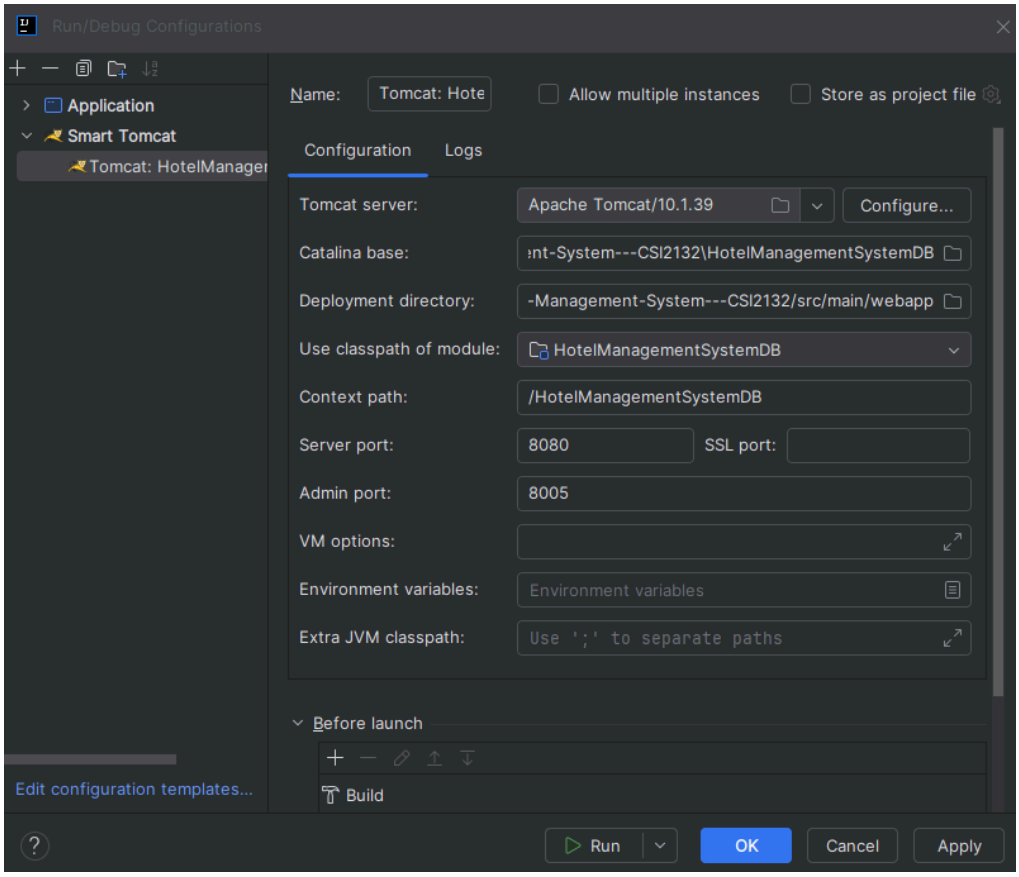




6. Now before beginning to run the program we can look to see if our database information is correct. By navigating to src/main/java/HotelManagementSystem/Database.java, make sure that the information lines up to your settings.



   Here you can change the username and password if need be so that the program has access to the database.
7. Finally, the program can be run using Tomcat in the top right of IntelliJ. Make sure a Tomcat server is selected on the first line as well as the classpath of module on the fourth line.



8. Once that is setup you should be able to freely run the web application just by clicking the link given in the terminal after running the program.