

Instructions for setting up the Air Quality application on local server:

1. Turn on the MAMP server and start the MySQL workbench.
2. Download the Liang-Qu-Project.zip file from BrightSpace.
3. Open the db folder and run the database_creation.sql file. This creates a new database called air_quality in MySQL. Follow the link listed in the database_creation.sql. This directs you to a zip air_quality.sql file. Download this zip file and expand it. Then put it into the db folder and the SQLFiles folder inside the application folder.
4. Run the air_quality.sql file from the db folder in the MySQL workbench. This file loads data into a mega-table called air_quality. When MySQL prompts you to choose a schema to run in, choose the air_quality database you just created. Since this file is very big, process may take some time.
5. Open and run the database_pop_use.sql file from the db file in the MySQL workbench. This file creates new tables in the air_quality database, populate the tables, and create more advanced functionalities (triggers, stored procedures, views). This step finishes the setup of backend database.
6. Close the db folder and open the application folder, drag the DemoFiles folder into the htdocs file on your end in the MAMP directory.
7. Open the DemoFiles folder and double click on the index.html file inside. This will direct you to our main web page of the application.
8. From here, you could explore the web page, and more detailed functionalities of this webpage is listed in the Liang-Qu-Report.pdf in the report folder.
9. A video link of the demonstration of this project could be found in the demo folder.