Emission Database

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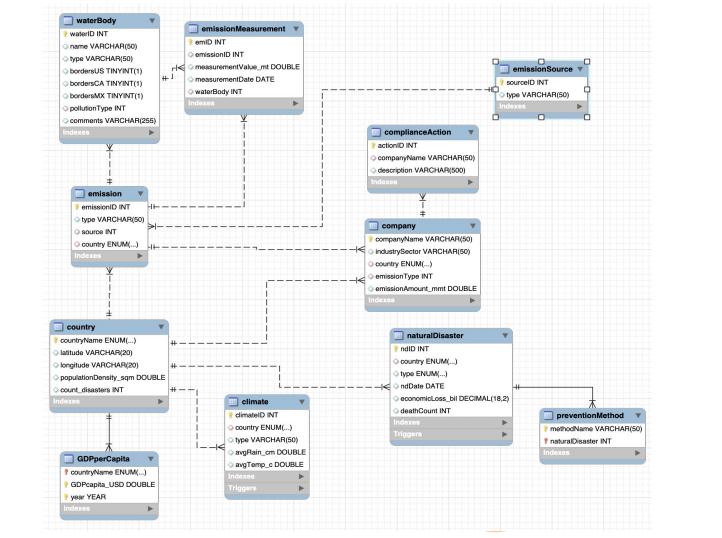
CONCLUSION



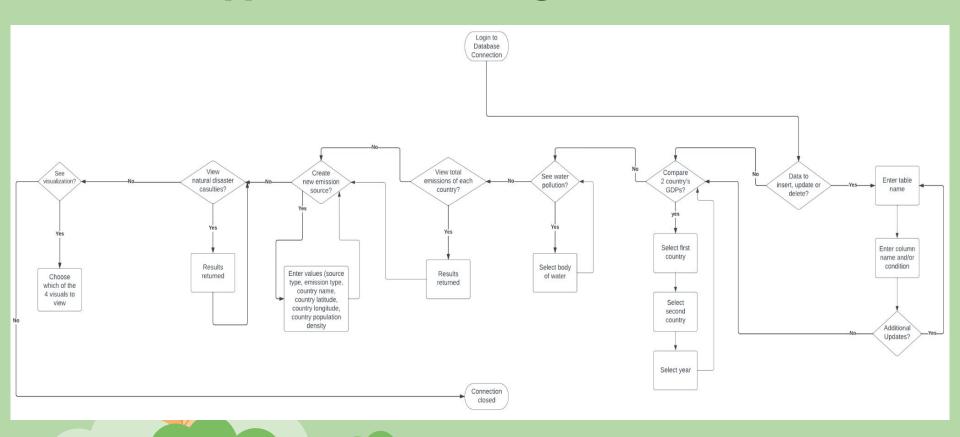
DATABASE SCHEMA

This database was created for students and scientists to view and update climate change data in North American countries.

The purpose is to have the most up to date information on changes occurring in these countries.



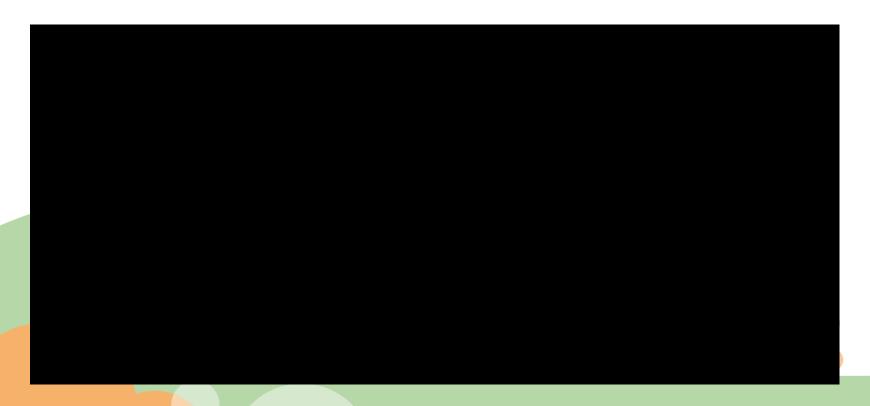
Database Application Flow Diagram



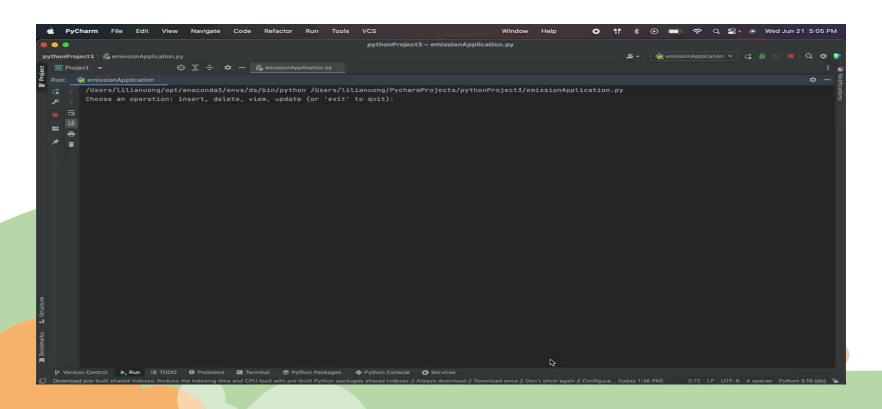
Database Application Description

- 1. User inputs their MySQL username and password.
- 2. User has a choice to insert, delete, view, or update the database or none of the above.
- 3. User will then be asked if they want to compare two countries' GDPs.
 - a. If the user says yes, they will be asked to input the name of the two countries and the year in which they want to compare GDPs.
- 4. If not, then the user will be asked if they want to see how many times a body of water has been polluted.
 - a. If the user says yes, they will be asked which body of water they want to view.
- 5. If not, then the user will be asked if they want to see each country's total emissions.
 - a. If the user says yes, a table will be returned.
- 6. If not, then user will be asked if they want to create an emission source.
 - a. If the user says yes they will be asked the information they want to input.
- 7. If not, then the user will be asked if they want to see the casualties from each natural disaster.
 - a. If the user says yes, a table will be returned.
- 8. If not, the user will be asked if they want to see a visualization of the data
 - a. If the user says yes, they will be asked which of 4 visuals they want to see
- 9. If not, then the application will end and the connection will close.

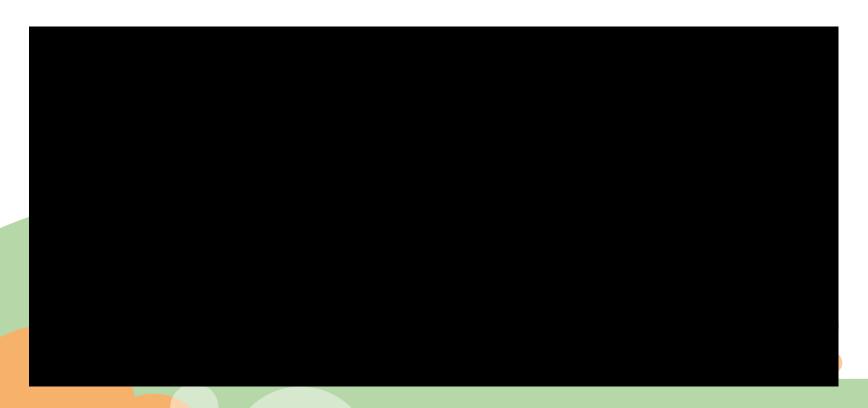
CRUD Demonstration 1: INSERT INTO ...



CRUD Demonstration 2: DELETE THE PREVIOUSLY INSERTED VALUE



CRUD Demonstration 3: READ VALUES IN A TABLE



CONCLUSION

- The significance of our database is to keep track of connections and comparisons between data
- Rightfully representing and storing data to show a country's climate impact
- Expanding the database to more countries: global
- More tables to represent additional climate change causes

