Data Processing

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## Goal of project:

The goal of this project was to make an API that could access a database and visualize the data received in both xml and json formats.

## Data Sets:

The datasets that were used were chosen by me and were approved. The data was then imported into a database made using MYSQL on PHPMyAdmin using Xammp, The API was made using Nodejs.

## Prerequisites:

To run this project:

1. Please extract files located within this DataProccesing.zip to directory of: C:\xampp\htdocs, this will allow the connection from the application to the local database.
2. Import database by following these steps:
   1. Please start Apache and MySQL in the xampp control panel.
   2. Create a new database called “worlddata” in the local database manager.
   3. Import the worlddata.sql file into your localhost using xampp. (Data in database can now be accessed)

Graphical user interface, application

Description automatically generated

1. Download all files into a folder
2. Download Nodejs
3. Run command, cd to project folder and install the following modules:
   1. npm install mysql
   2. npm install express –save
   3. npm install --save xsd-schema-validator
   4. npm install nodemon -g
   5. npm install --save is-my-json-valid
   6. npm install --save xsd-schema-validator

## Running API:

After all modules have been installed on the correct directory, run the command “nodemon app.js”, this will start the API.