

# Project\_WebAPI

## Directory Architecture

- WebAPI (main folder)
  - Controllers
    - ApiController( the controller holding the main functions of the project)
  - Custom Classes (the folder holding all the classes created for the completion of the project)
    - CC\_Cache.cs (the class holding the functions for the cache saving functionality)
    - CC\_Database.cs (the class holding the functions for the database manipulation and the SQL Server connection)
    - CC\_Json.cs (the class holding the functions for the json files acquisition and parsing)
    - CC\_Requests.cs (the class holding the functions for the HTTP Post request)
  - Databases (the folder holding the database, it is empty before the creation of the database through the HTTP Get execution)
  - Program.cs (the main program for the app creation and UI)

## Important Notes

- To test the SQL Server and database functionality and speed development the Delete function was created in the ApiController.cs. Using this, the database is deleted and all connections are closed.
- In order to test the cache functionality the expiration amount has been set to ten seconds. This can be changed , by changing the value of the “\_CacheExpirationAmount” in the ApiController.cs.