

# Project 4

The app does the following:

- Saves, Finds, loads, and displays country info from a remote mongodb database based on a user entered query (either via search field, button, or image-map).
- Displays images related to country of query from flickr.
  - User can go forward and back while viewing flickr images.
  - Next/previous images are stateful.

The project is stored on github:

[https://github.com/leojsayta/WebTechnology\\_Project4](https://github.com/leojsayta/WebTechnology_Project4)

The database is stored online at mlab.com:

- To connect using the mongo shell:
  - `mongo ds017231.mlab.com:17231/areainfo -u dbuser -p dbpassword`
- To connect using a driver via the standard MongoDB URI (what's this?):
  - `mongodb://dbuser:dbpassword@ds017231.mlab.com:17231/areainfo`
- a **dbuser:dbpassword** combo for connecting to the db is: **adminTH:wt344\*\***, swap the credentials in for dbuser, and dbpassword in the connection strings
- There a bunch of clients for modifying the db. You can find a list of several here:
  - <https://docs.mongodb.org/ecosystem/tools/administration-interfaces/>

Some more information:

- The app is part of a netbeans project (but it also works apart from netbeans).
- It uses nodejs and express for the server stuff and jquery and bootstrap for client side.
- The project skeleton was derived from the express-generator module.
- The *country.html* file is the point of entry. The events generated by the *country.html* file are handled by the *country.js* file. The *country.js* file then uses utility methods provided by the other javascript files to process the query events for both image and database. The express server is described by the *server.js* and *www* javascript files.
- Selecting country info and images can be done three ways:
  - clicking selectable area in world map.
  - clicking button with country name.
  - entering country name into input field.

The app can be started it two ways:

- Opening it as a netbeans project and running it .
- Running it directly from the command line as a nodejs app by typing the following in in the main project directory:
  - `node bin/www`

What is left to do according to the original project specification:

- Input actual country info snippets into the database.