Workshop 4

NODE&EXPRESS

PRE-REQUISITES

- Install Node.js
- Install Git
- Make sure you have access to your Github account

CREATE A NEW REPOSITORY ON GITHUB

- Repo name: info30005_starwars
- Clone it on your IDE (WebStorm, Eclipse, …)

CREATE A NODE PROJECT

- Verify that node is installed
  - `node -v`
- Create an app.js file
- Initialise a node project
  - `npm init`

CREATE AN EXPRESS BOILERPLATE

- Install express
  - `npm install express --save`
- Require express (on your app.js file)
- Call the express function and assign its results to a variable named app

SWAPI (STAR WARS API)

- Access Star Wars API (https://swapi.co/)
- Create an array with 6 new objects [people] in your app.js with 7-10 attributes from the data available in SWAPI [https://swapi.co/api/people/]
  - Example of attributes: name, height, hair_color, gender, birth_year and so on.

CREATE AN EXPRESS BOILERPLATE

- Create different routes for the home page with app.get() to:
  - Return all the values in the array
  - Return a specific object based on a particular ID (param)
  - Add a new person to the array
  - Update data from an existing person (any of the attributes)
  - Delete an existing person from the array based on a name provided as input (param)

  *In short, implement the **RESTful routes** to interact with your data (show all, show one, update, delete, create…)*

- Start the server with app.listen()

Use Advanced REST Client (Chrome Extension) to test your API

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