# Node.js Web Server Exercises

## Movie DB server

### 1.1 Create Node server

Create Node web server and add index, favicon and static files handlers, you may use the provided example from the last lecture or try to build it from the ground.

### 1.2 Restrict the static file handler

Restrict the handler to serve only files from the '**content**' folder. Restrict it to serve only **html**, **css, js, png and jpg** files.

### 1.3 Create file handler for adding a movie to the DB

Users should be able to fill title, URL of an image, year of release and synopsis of a movie, then send the data to the server. The request should be **POST**. The server should save the data in the provided **db object**. If the name or the URL are null or empty, the server should return a friendly error message.

For displaying the error message, you may replace the following code in the provided 'addMovie.html':

<div id="replaceMe">{{replaceMe}}</div>

on Error: <div id="errBox"><h2 id="errMsg">Please fill all fields</h2></div>

on Success: <div id="succssesBox"><h2 id="succssesMsg">Movie Added</h2></div>

**HINT**: Search online how to parse the form data on the server.

### 1.3 Create file handler that displays all movies from the DB

The server should return HTML containing all images, sorted by their release year, with links to their details page.

**HINT**: The **HTML** should be generated **runtime** string depending on the current saved images, you may also use the provided 'viewAll.html'.

For displaying the movies data, you may replace the following code in the provided 'viewAll.html':

<div id="replaceMe">{{replaceMe}}</div>

For each movie: <div class="movie">

<img class="moviePoster" src="{{Your movie poster URL}}"/>

</div>

### 1.4 Create details page

Each movie should have a details page where the movie poster and data is shown.

**HINT**: The URL may be something like **'/movies/details/4'** where **4** should be extracted and it shows the index of the image to show, you may use the provided 'details.html'.

For displaying single details about a movie, you may replace the following code in the provided 'details.html':

<div id="replaceMe">{{replaceMe}}</div>

Replacement: <div class="content">

<img src="{{Your movie poster URL}}" alt=""/>

<h3>Title {{Your movie title}}</h3>

<h3>Year ${Your movie release year}</h3>

<p> {{Youer movie description}}</p>

</div>​

### 1.5 Add menus

Add **links** to all HTML pages.

### 1.6 Write a header handler

Write a handler that catches a header with name "**StatusHeader**" and with value "**Full**" and, if such is present to return a "**status.html**" file. That HTML file should show the total number of movies.

## Use GULP to minify the HTML

Minify the served HTML with a GULP task.