WEBAPDE Machine Project

**Machine Project 1**
Connecting to a JSON server via AJAX

Your task is to create a client side application that loads data from a JSON server using AJAX.

**NOTES**

- The application will be built using HTML, CSS , and JavaScript.
- The group may use jQuery and other libraries to connect to the server.
- The application must connect to https://jsonplaceholder.typicode.com and acquire the JSON arrays. The application may manipulate the JSON arrays/objects in JavaScript, but must not used a local copy of the JSON files as a replacement for connecting to the fake JSON server provided.
- All data in the JSON must be displayed to the site visitor unless specified otherwise.
- If there are any questions, or the specifications seem vague, approach your teacher immediately for clarifications.

**FEATURES**

**View all posts**

REQUIRED (20PTS). Upon visiting the web page, the visitor will see the ten recent posts of all users. **They may opt to view the next 10 posts when needed**. Each post must show the post title, content, and the username of the user who created the post. Clicking the username in the post should redirect to the profile page of the user.

**View a user profile**

REQUIRED (35PTS). Each user has their own page which shows their profile publicly (all data must be shown except for the geolocation lat/lng). **On the same page, a visitor may also see a portion of the user's latest photo albums and a portion of the user's latest posts. The visitor may opt to see the rest of the albums and the posts.** It is up to the group if this going to be loaded on the same page or a different one.

OPTIONAL (0.5PT) . **Show a snippet of the post, not the whole text.**
OPTIONAL (3PTS) . **The user's recent photo albums have a thumbnail of randomly chosen photo from that album.**
OPTIONAL (5PTS). The user's address is displayed on a map (ex Google Maps).

**View all photos**

REQUIRED (25PTS). The user may see all the photos uploaded into the system. These shows the thumbnails of each photo. **The user will initially only see a subset of these photos (around 9-15), but can load more if needed.** The user may view the original photo (not thumbnail) and more information about the photo upon clicking it. These will include knowing the title of the photo, who uploaded it, and which album it belongs to (by title, not id). Clicking the username and album name will lead to their corresponding pages.

**View an album**

REQUIRED (20PTS). All photo thumbnails of a given album are displayed in the album's page. More information about each photo will be available upon clicking a thumbnail.

**General**

REQUIRED (10PTS). **Good user experience. Visitor can easily navigate without help, all information are easy to access.**

REQUIRED (5PTS). **Good visual design. Design suits the theme of the application, and is cohesive and consistent across the whole application.**

OPTIONAL (8PTS). **The visitor has an easy way to navigate to the posts and to the albums. The visitor has a search function that sifts through posts/albums/photos/users.**

OPTIONAL (5PTS). **The web application is designed to be responsive to mobile and tablet devices.**

**GRADING**

The project will be graded based on the completion of the required features below. The project has a total of 115pts, and represents 20% of your grade.

Groups are encouraged to aim for optional features for bonus points, but will only receive them after they have completed the required points.

| Feature | Points |
|---|---|
| View all posts | 20 |
| View a user profile | 35 |
| View all photos | 25 |
| View an album | 20 |
| General | 15 |

**SUBMISSION**

The group need to push their project to one of the group member's GitHub account. The group will demo their application to their teacher during class time on June 26 (MW classes) or June 27 (TH classes).