# Homework 4

**Due: 10/10/2018 11:59pm**

# The Setup

Please read <https://github.com/csulbying/web-app-dev/blob/master/01-setup/setup.md> for detail instructions to setup your development tools and create a Github repository. Once done, your Github repository should have all code history.

The section 3 of the setup instruction describes how to deploy a git repository to Netlify (https://app.netlify.com/)

# The Submission

The detail web site requirements are given in the next section. Once you complete it, please create a text file (a file with “.txt” postfix) that has two links, one to your github repository and one to your netlify website. Please submit the text file to the beachboard dropbox. Wrong file format, invalid URL, or un-working application is completed and gets 0 point.

# Assignment

The url *'https://jsonplaceholder.typicode.com/users'* has a list of users in JSON format. Please type the url in your browser to see the data. This assignment asks you to use two APIs to retrieve data from the url. The first API is the old XMLHttpRequest and its callback syntax. The second is the new fetch method and its promise syntax.



When access your web page, just display the two results as the shown in the picture. Tips: use Chrome dev tools to debug / test your code interactively.

1. Use the old ***XMLHttpRequest*** method and its callback syntax to retrieve the data from the above url and display the list of user emails – the results are sorted by alphabetic order.
2. Use the new ***fetch*** method and its promise syntax to display the list of user’s usernames. The result is sorted by the username length – shortest first.