

## CS445 Project

In this project, you'll build an application to display user's posts, posts' comments along with location of the user.

This application only uses HTML + js files.

The total of this project is 10 points.

1. **[2 points]** Git & Github activities
  - a. Fork A repository from <https://github.com/bellaxing/cs445-project.git>
  - b. Clone a repository to your local
  - c. Create a feature branch, and commits all changes you made for this project
  - d. Create a pull request to <https://github.com/bellaxing/cs445-project.git>
  - e. This is very important: You MUST have regular commits with reasonable commit information to this project daily. Which means, if you commit all code to repository once or twice, you won't get full credit for this part.
  - f. After you finish everything, also create a github pages to host your project. Make sure all features are committed before last Wednesday of this block.
    - i. <https://pages.github.com/>

## User's POSTs SPA

Make use of the JSON service <http://jsonplaceholder.typicode.com>. Write a SPA page that processes this simulated JSON blog data.

1. **[1 point]** Create a Single Page Application (SPA) with an input form to take a userId from the browser
2. Display user name, email, address, current location and all posts belonging to this userId
  - 2.1. **[1 point]** Display user's name, email and address
  - 2.2. **[1 point]** Display current location for the user (use latitude, longitude)
    - 2.2.1. Check this API provider: <https://developer.mapquest.com/documentation/geocoding-api/reverse/get/>. You may pass an API key, try to register on the website
  - 2.3. **[2 points]** retrieve all posts from selected user </posts?userId=1>. For efficiency remember to attach entire lists to DOM rather than each list item
  - 2.4. **[3 points]** For every post, include a button (show comments), upon clicking the button show all comments for the specific post. (optional)
    - 2.4.1. retrieve all comments from selected post </comments?postId=1>
    - 2.4.2. Hint: hide postId in data- attribute in each post.
    - 2.2.4. You may need to use \$(DOM).on() to attach event handler with functions to newly created elements

What to submit:

1. Write a status report for your project – like the homework
2. Submit your Github page link