Assignment 1: AJAX Bookstore

Implement **AJAX** for **purging cart contents** and **changing cart item quantities**.

On the client side, add jQuery event listeners (file `view/cart-contents.php`)

1) one that purges all items from the cart,

2) another that updates the quantity of the chosen item.

On the server side, add appropriate controllers that will handle these AJAX calls (file `controller/StoreController.php`)

The server should return **an HTML snippet** that you later insert into DOM using JavaScript.

Hints

- Check how cart additions are implemented.

- You may use AJAX shorthand methods, like $.post or $.get.
  https://api.jquery.com/jquery.post

- For updating the quantities, use the change event listener.
  https://api.jquery.com/change/

Assignment 2: AJAX Book search

Implement **AJAX book search**.

- **Step 1) Create a router entry that maps URL `/api/book/search` to a controller that takes a GET parameter named `query` and returns search results in <u>JSON format</u>.**
  (files `index.php, controller/BookController.php`)

- **Step 2) Use JavaScript to send a GET search request and display the results inside the `<ul class="book-hits"></ul>` block.**
  (file `view/book-search-ajax.php`)

  Hint: If you want the listener to get invoked for every keystroke, even for backspace and delete, use the **keyup** event listener: https://api.jquery.com/keyup

Assignment 3: Vue Book search

- Observe how **Vue book search** works

- Additional Vue resources

  - Guide: https://vuejs.org/v2/guide

  - Homepage: https://vuejs.org

  - Easy to follow and comprehensive tutorial: https://laracasts.com/series/learn-vue-2-step-by-step