AUI LAB4 REPORT

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1. View (HTML page and JavaScript code) presenting list of all categories. View should allow for removing selected category. It is enough to display single user friendly value representing category. (1 point)

```
s files are supported by IntelliJ IDEA Ultimate
        teachers.teachers.forEach(teacher => {
       let add_teacher = document.getElementById('add_teacher');
       add_teacher.href='../teacher_add/teacher_add.html?user='+getParameterByName('user');
    function createTableRow(teacher) {
       let tr = document.createElement('tr');
        function deleteCharacter(teacher) {
            const xhttp = new XMLHttpRequest();
            xhttp.onreadystatechange = function () {
                if (this.readyState === 4 && this.status === 202) {
                    fetchAndDisplayTeachers();
```

```
/**

* Fetches single user and modifies the DOM tree in order to display it.

*/

bfunction fetchAndDisplayUser() {

const xhttp = new XMLHttpRequest();

xhttp.onreadyStatechange = function () {

if (this.readyState === 4 && this.status === 200) {

displayUser(JSON.parse(this.responseText))

};

xhttp.open("GET", getBackendUrl() + '/api/Users/' + getParameterByName('User'), true);

xhttp.send();

/**

* Updates the DOM tree in order to display user.

* Updates the DOM tree in order to display user.

* Oparam {{login: string, name: string, surname:string}} user

*/

function displayUser(user) {

setTextNode('username', user.login);

setTextNode('surname', user.name);

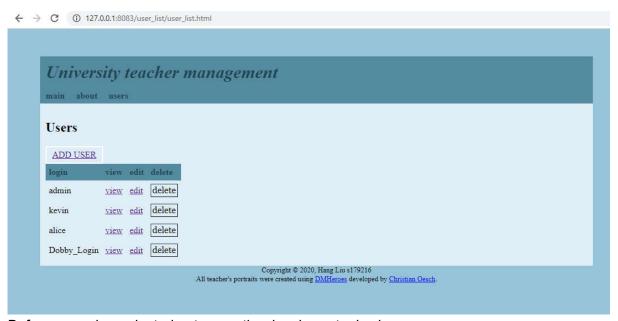
setTextNode('surname', user.name);

setTextNode('surname', user.surname);

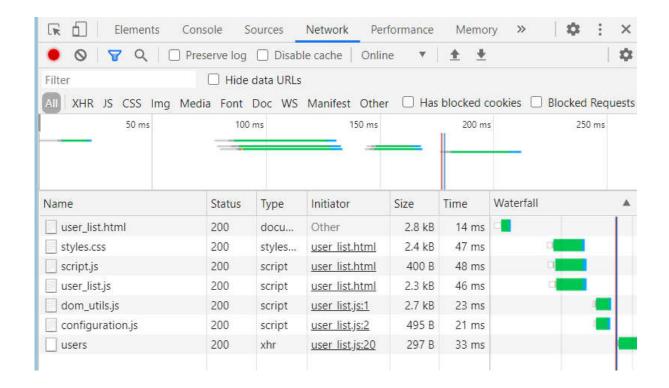
setTextNode('surname', user.surname);

setTextNode('email', user.email);

setTextNode('email', user.email);
```



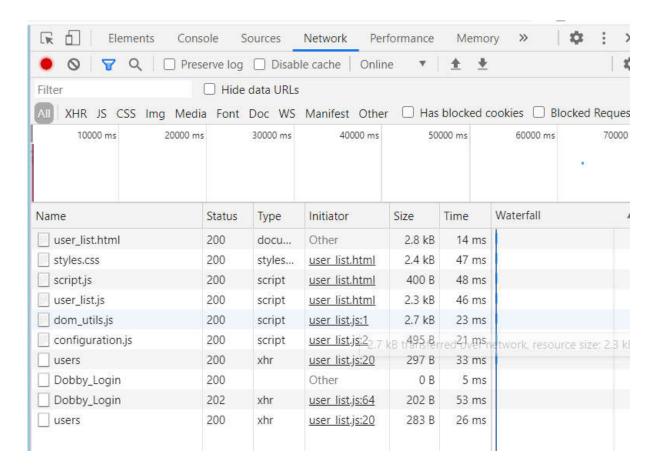
Before removing selected category, the developer tools show:



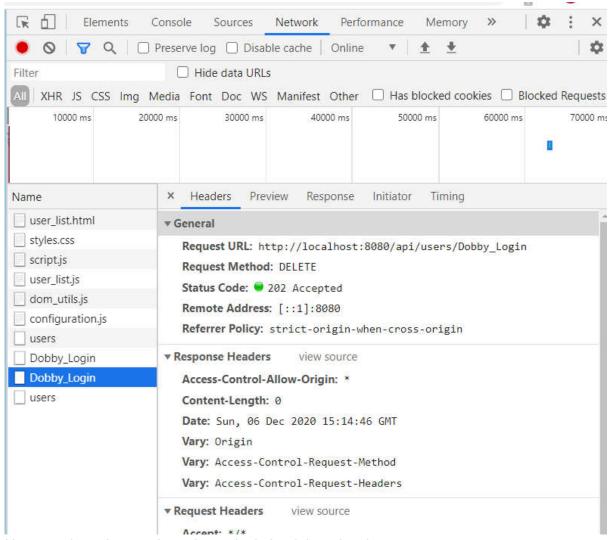
After removing Dobby_Login category:



And the developer tool show:



I will select Dobby_Login to have a further look.



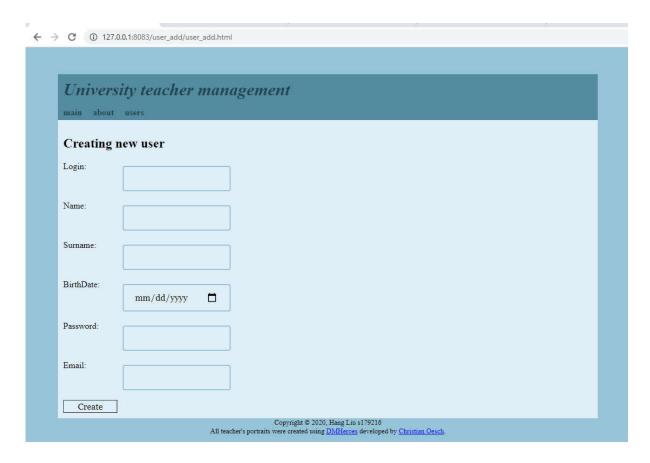
Here are the snippets about the code, in html there is a button:

And we use JS to replace that delete value. And when we click it, it will jump to our AJAX function. It will perform a deleting request.

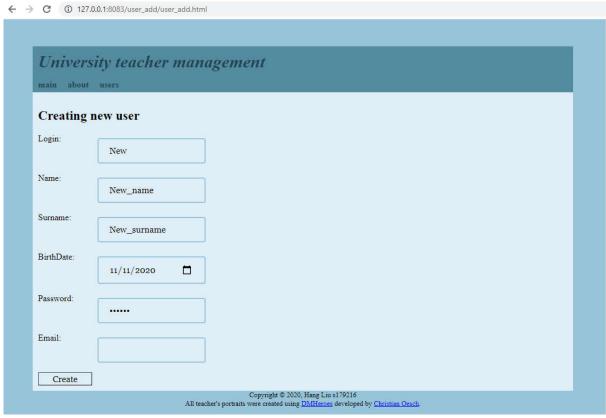
2. View for adding new category (form). View should be accessible from categories list view. (1 point)



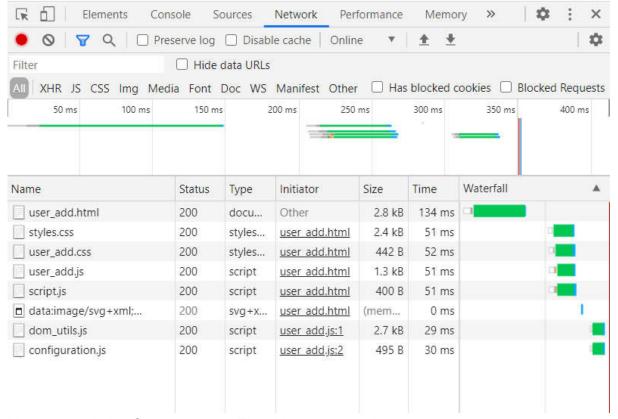
Above picture shows adding a new category by element ADD_USER. And when I click it, it will jump to user_add.html



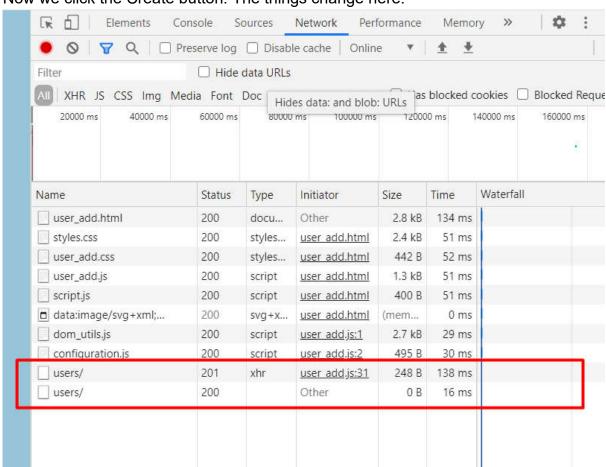
Once I fill the form, I will click the create button.

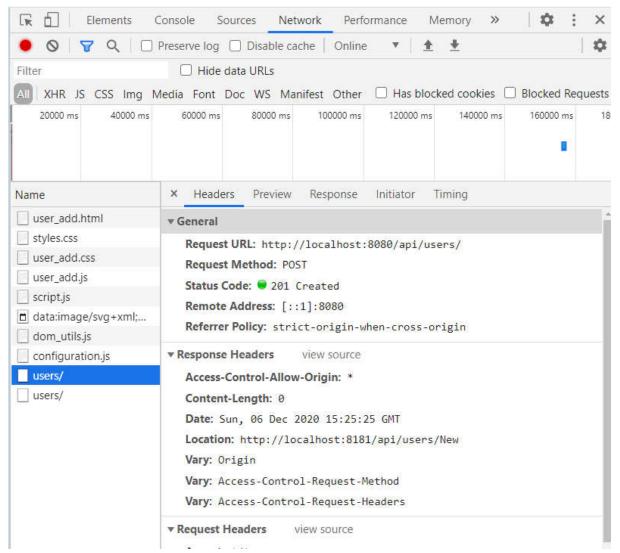


And before we move on, I will show you how the network panel looks in the developer tool.



Now we click the Create button. The things change here.





So far so good, I will show you our new category in the category list.



And the code for implementing this:

We are doing this by form.

```
compute class="main-section">
compute class="text-justified">
clabel form login: class="login" login: class="login" login: login" name="login" type="text"/>
clabel for="name">
clabel for="name">Name: clabel>
cinput class="ui-control ui-input" id="login" name="name" type="text"/>
clabel for="surname">
clabel for="surname">Surname: slabel>
cinput class="ui-control ui-input" id="surname" name="surname" type="text"/>
clabel for="password">
clabel for="password">Password: clabel>
cinput class="ui-control ui-input" id="birthDate" name="birthDate" type="date"/>
clabel for="password">Password: clabel>
cinput class="ui-control ui-input" id="password" name="password" type="password"/>
clabel for="mail">
clabel for="password">Password: clabel>
cinput class="ui-control ui-input" id="password" name="password" type="password"/>
clabel for="mail">
clabel for="password">Password: clabel>
cinput class="ui-control ui-input" id="password" name="password" type="password"/>
clabel for="mail">
clabel for="password">Password: clabel>
clabel for="password">
clabel for="password">
clabel for="password">Password: clabel>
cinput class="ui-control ui-input" id="password" name="password" type="password"/>
clabel for="mail">
clabel for="password">
clabel for="password: clabel>
clabel for
```

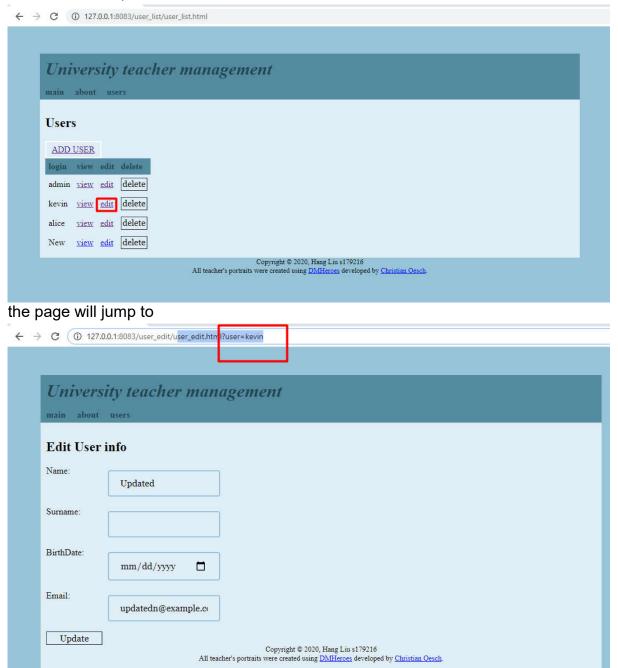
And in JS, we add this form to event listener:

Once the user click Create, which type equals to 'submit',

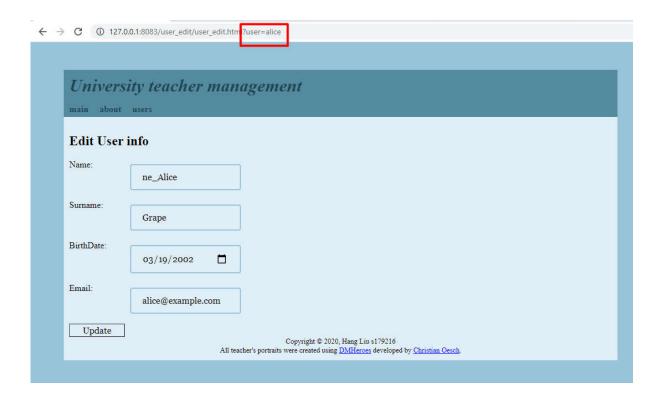
The createUser function will be invoked.

3. View for editing existing category (pre-populated form). View should be accessible from categories list view. View form should be populated with original values. Category should be determined by the query parameter. (1 point)

Once I click edit,



And one more example



This shows you how query parameters determine the different categories. And also in the view of editing existing categories, you can see all forms are populated with original values.

Here is how original values displaying things work.

Firstly, in the event listener, I fetched the categories' values.

```
window.addEventListener('load', () => {
    const editUserForm = document.getElementById('editUserForm');
    editUserForm.addEventListener('submit', event => updateUserAction(event));
    fetchAndDisplayUser();
    /**
```

And here is how the query parameter implements. If you remember I click edit on the page edit.html

And the JS replaces this edit text data because of the event listener.

```
* @returns {HTMLTableRowElement}

*/

pfunction createTableRow(user) {
    let tr = document.createElement('tr');
    tr.appendChild(createTextCell(user));
    tr.appendChild(createLinkCell('view', ' / /user_view/user_view html?user=' + user));
    tr.appendChild(createLinkCell('edit', '../user_edit/user_edit.html?user=' + user))]
    in appendChild(createBottonCell('delete', () -> deleteUser(user)));
    return tr;

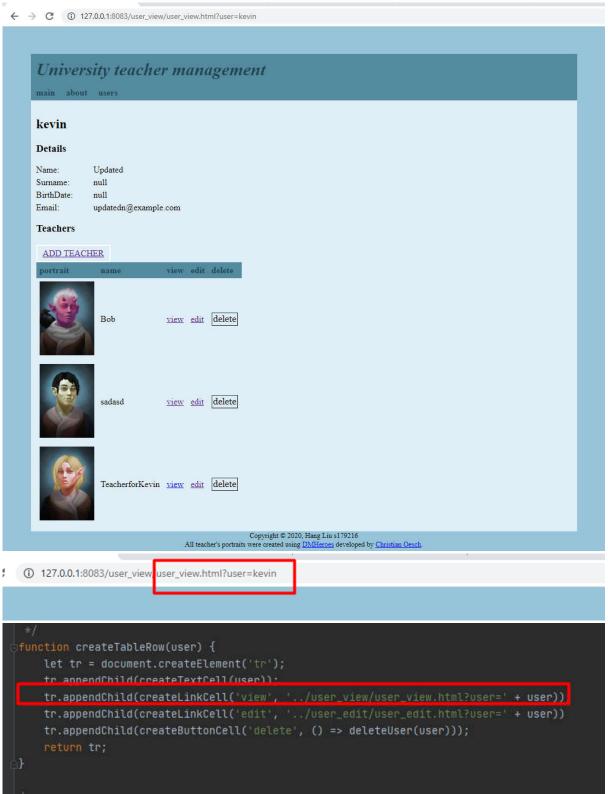
}

/**

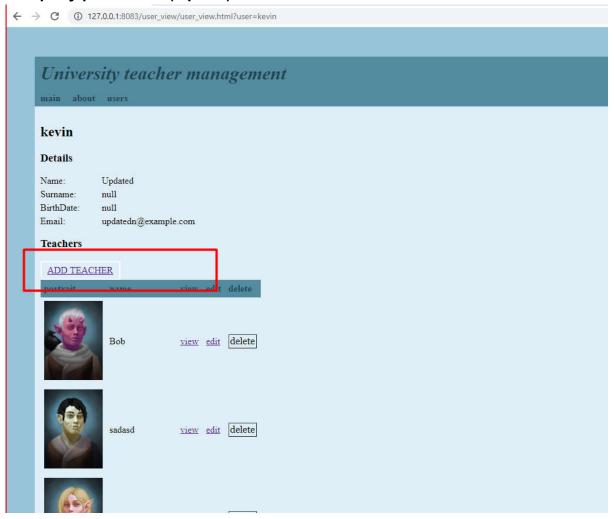
* Deletes entity from backend and reloads table.
```

4. View with category details and elements list. View should present all details

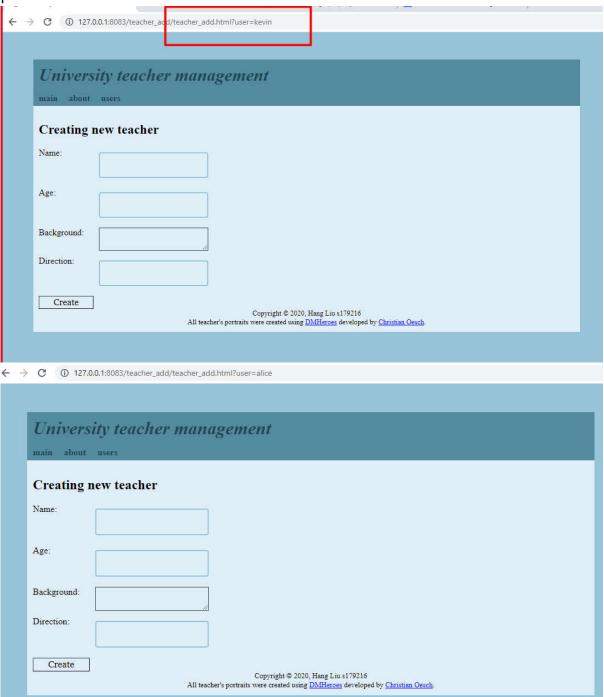
considering selected category and list of all elements from that category. It is enough to display single user-friendly value representing element. Category should be determined by the query parameter. View should allow for removing selected element. (1 point)



5. View for adding new element (form). View should be accessible from category details view. Category of the new element should be determined by the query parameter. (1 point)



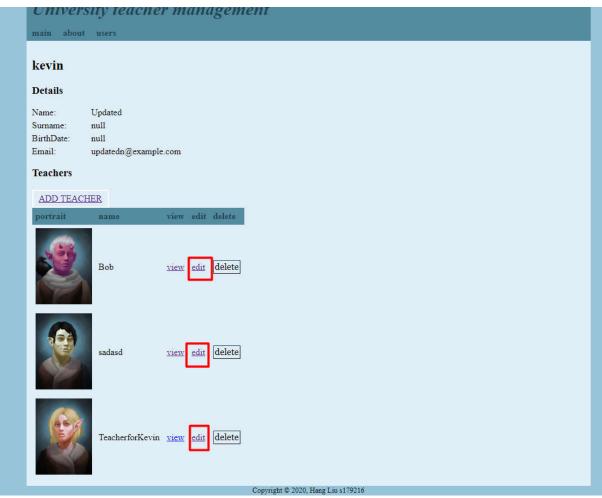
A new view for adding new element with well performed query parameter.



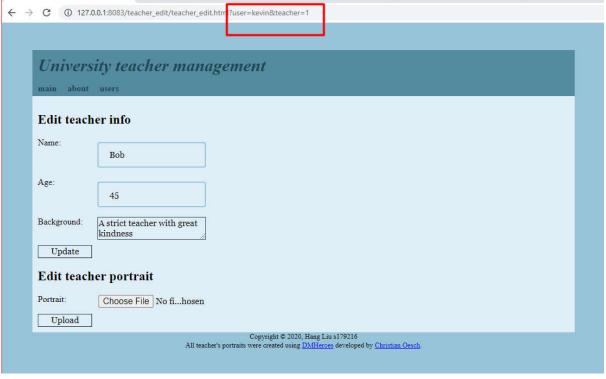
I also implemented this by form technique.

```
<section class="main-section">
    <article class="text--justified">
           <label for="name">Name:</label>
            <label for="age">Age:</label>
            <input class="ui-control ui-input" id="age" name="age" type="number"/>
            <label for="background">Background:</label>
            <textarea class="ui-control" id="background" name="background"></textarea>
            <label for="direction">Direction:</label>
           <input class="ui-control ui-input" id="direction" name="direction"/>
            <input class="ui-control ui-button" type="submit" value="Create"/>
    </article>
window addEventListener('load', () => {
function createTeacher(event) {
```

6. View for editing existing element (pre-populated form). View should be accessible from category details view. View should be populated with original values. Category and element should be determined by the query parameters. (1 point)

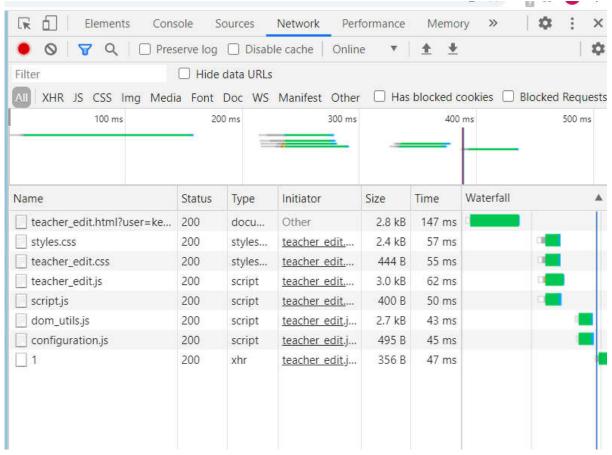


And the view for editing existing element are all populated with original values. The mechanism for achieving this is very similar to checkpoint 3.

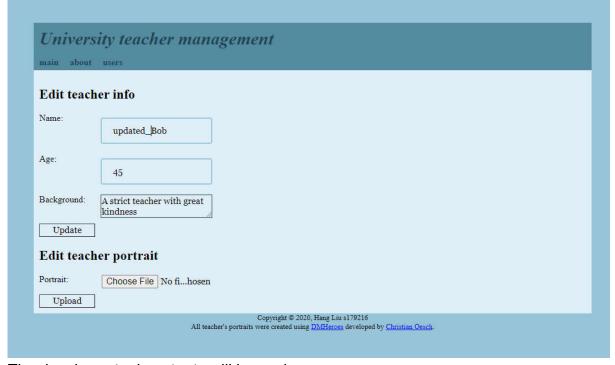


And you can find the codes:

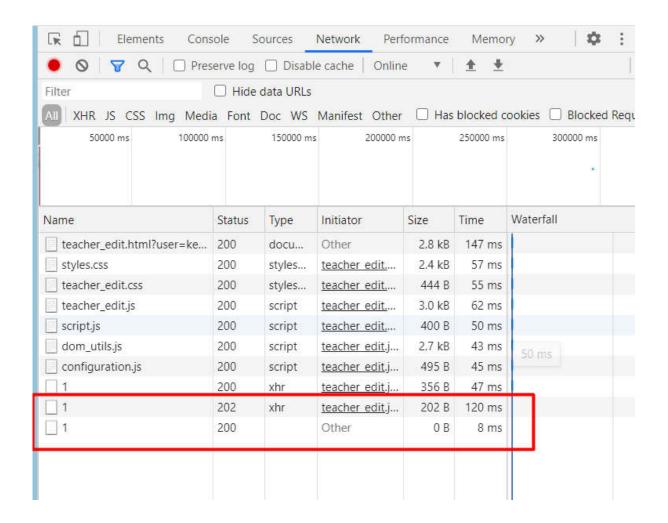
Before we updating the new data, the developer tool shows like:

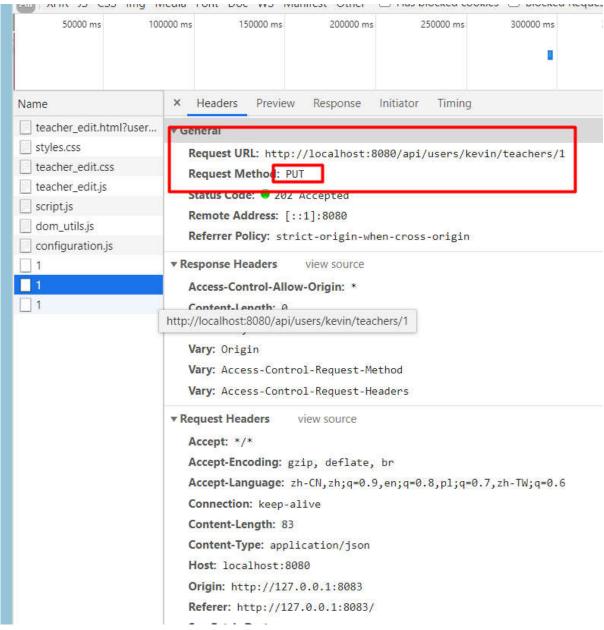


And after updating,

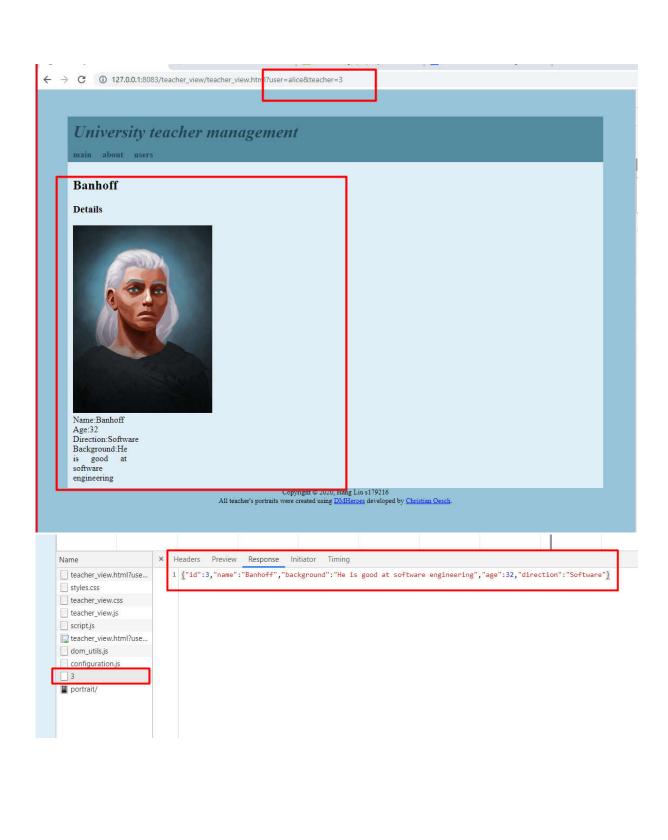


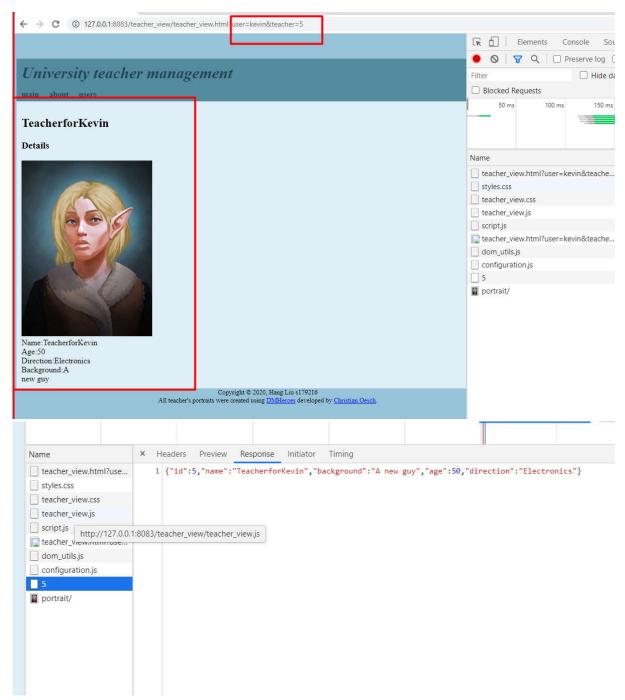
The developer tool contents will have changes.





7. View with element details. View should present all details considering selected element. Category and element should be determined by the query parameters. (1 point)





We can also delete element, for instance we will delete element sadasd from the category kevin.

University teacher management

iain about users

cevin

Details

Variance: Updated urname: null sirthDate: null

mail: updatedn@example.com

eachers

ADD TEACHER

portrait name view edit delete



updated_Bob <u>view</u> <u>edit</u> <u>delete</u>



sadasd

<u>view</u> <u>ecit</u> delete



TeacherforKevin <u>view</u> <u>edit</u> delete

University teacher management

main about users

kevin

Details

Name: Updated Surname: null BirthDate: null

Email: updatedn@example.com

Teachers

ADD TEACHER

view edit delete portrait name



view edit delete updated_Bob



TeacherforKevin view edit delete

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