

Overview

For this assignment you need to make a database (MySQL) backed website that features Ajax interaction.

name - the name of the exercise

reps - the number of times the exercise was performed

weight - the weight of the weights used

date - the date the exercise was performed

lbs - a boolean indicating if the measurement is in lbs or kg. 1 indicates lbs, 0 indicates kgs.

Requirements

You need to create a single page application with the following functionality:

Visiting the page will show a table displaying all completed exercises. The header should list all the columns (id should not be displayed in the header or in the table itself. Use hidden inputs to keep track of the id).

At the top of the page there should be a form that lets you enter in all the data needed to make a new entry in the table with a button to submit it. Hitting that button should add the row to the table if it was successfully added to the database. If it was not successfully added (probably because name was left blank and it is required) it should not add it to the table.

Each row should have two buttons. One to delete the row and one to edit the row. Hitting the delete button should immediately remove the row from the table and from the database.

Hitting the edit button should make it possible to edit the data. For this function it is OK to go to another page which will allow you to edit that specific exercise, save it and then take you back to the main page. The form to edit the exercise should be pre-populated with the existing data from that row (in other words if I go to the edit page, and then hit save, nothing should change because all the old values were in the edit form).

All interactions, other than updating an exercise, should happen via Ajax. This means that at no time should the page refresh. Instead Ajax calls should be used to GET or POST to the server and it should use the data the server provides to update the page.

If you hit delete on one of those rows it gets deleted without the page refreshing. Your page should do this and it should update the database at the same time to reflect the deleted data. It should essentially happen in reverse when you add a row. You hit add and the table is populated with a new row.