# Webap 1 exam – part 2

Time allowed: **100 minutes.**

**Total points:** 30 points

For this exercise, you are requested to add, read and delete cities (using an Async JS request) from/into a MySql table.

You are provided with the sql db creation script, as well as the HTML front end. You MUST only write code in two files: “exam.js” and “ServerApi.php”.

Part 1 (Insert) **15 points**:

Your ServerApi file must handle POST requests for adding a new city into the database.

It should always give a reply in JSON format with two answering fields:

- Valid: Boolean -> whether the insert was successful

- Message: String -> the error message (if any) or a successful insert message.

Your ServerApi must be as bulletproof as possible when it comes to error checking. You must check as much as you can for possible errors (like bad request, duplicate database insert, empty insert …).

Your exam.js file must make the proper request to the ServerApi, using the value provided in the input field “NewCity”. When receiving the reply, you must take the message from the server – and put it inside the “replyFromServer” div. You should also change the class of this div to be either. success (if the server replied with Valid flag) or. fail (if the server replied with invalid flag).

Part 2 (Select) **10 points**:

For this part, you must work with the select list - CityList and the button Delete city.

Your select list must be filled in with ALL cities (from the database) when the page loads (using again an asynchronous request). The select list must also be refreshed whenever the user Adds new cities.

Part 3 (Delete) **5 points**:

For this part, your ServerApi must handle a request from JS to delete a given city.