

Faculty of Information and Communication Technology

ITCS212 Web Programming

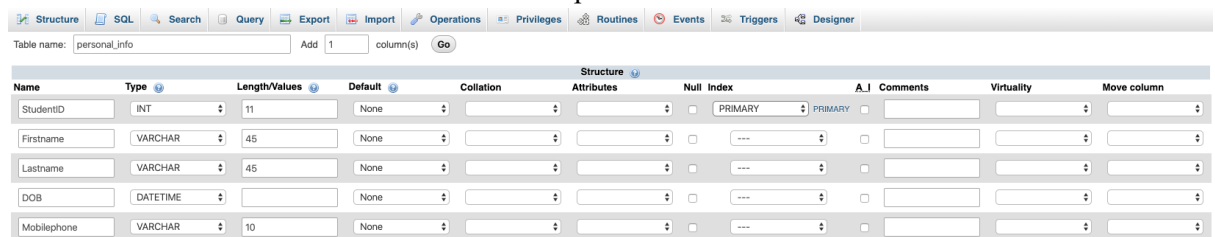
Web Service via Node.js: Lab-L09-1

In this tutorial, you are going to use MySQL and Node.js to create REST Web Services and test your WS using postman application.

Instruction

1. You need to start MySQL server and access it via MySQLWorkbench
2. Create a database namely “**itscs212-[Section]**”, where [Section] is your section (if it does not exist.)
3. Create one table named “**personal_info**” in itscs212-[Section] schema (if it does not exist.).

The table should have all attributes shown in the following ER diagram. Also, data type of each attribute must be matched with table description below:



The screenshot shows the MySQL Workbench Structure tab for a table named 'personal_info'. The table has five columns: StudentID (INT, 11, Primary), Firstname (VARCHAR, 45), Lastname (VARCHAR, 45), DOB (DATETIME), and Mobilephone (VARCHAR, 10). The table is currently empty.

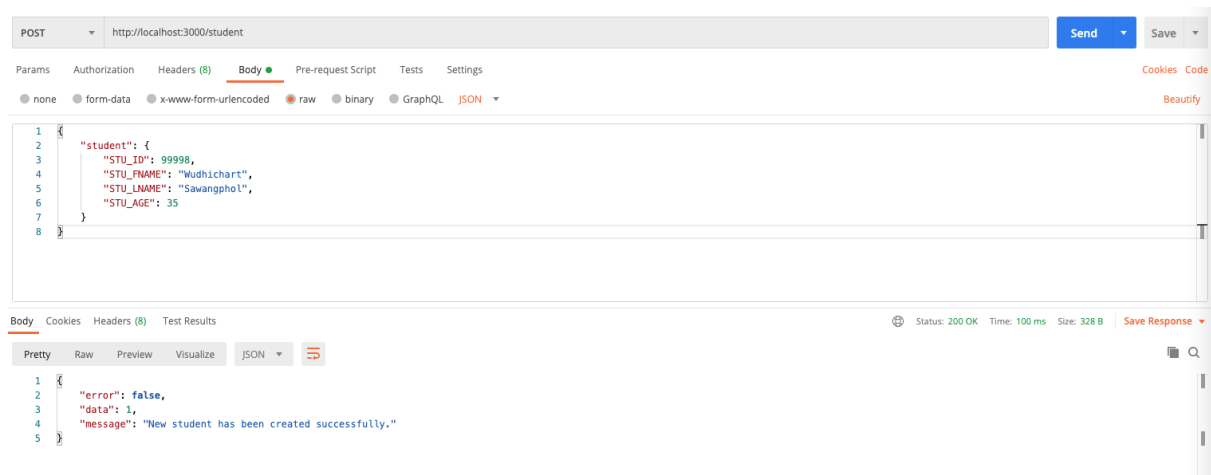
4. Insert values into the table as follow:

StudentID	Firstname	Lastname	Birthdate	Mobilephone
1	Robert	Dolls	20 Jan 1985	0919998877
2	Peter	Jones	10 June 1980	0834455667
3	Lily	James	20 Oct 1991	0889988776

5. Create the **StudentService.js** file to handle all CRUD operations (Insert, Update, Delete, Select, Select all) of the table “personal_info”.
6. Next, you need to use the postman application to test all CRUD operations.
7. You need to submit the screenshots of your testing activities in the postman application with heading of all CRUD operations in **PDF** file and **StudentService.js** file.

Hint! You can see the lecture as an example

The image below is an example of testing insert activity



Submission

Submission: Please zip all your works into one zip file namely “**Lab-L09-1-[Section]-[StudentID].zip**” and submit to the activity submission on Mycourses. For example, if your id is 6588999 and you are in the section 2, your file name will be **Lab-L09-1-2-6588999.zip**.

Note that if the file name in the incorrect format, your score will be deduced.