

LAB PROJECT

DATABASE SYSTEM (CS-329)

SUBMITTED BY

MUNIB-UL-HASSAN

CS19-037

MAAZ MOINDUDDIN

CS19-042

ASJAD HUSSAIN RIZVI

CS19-005

NAMIRA

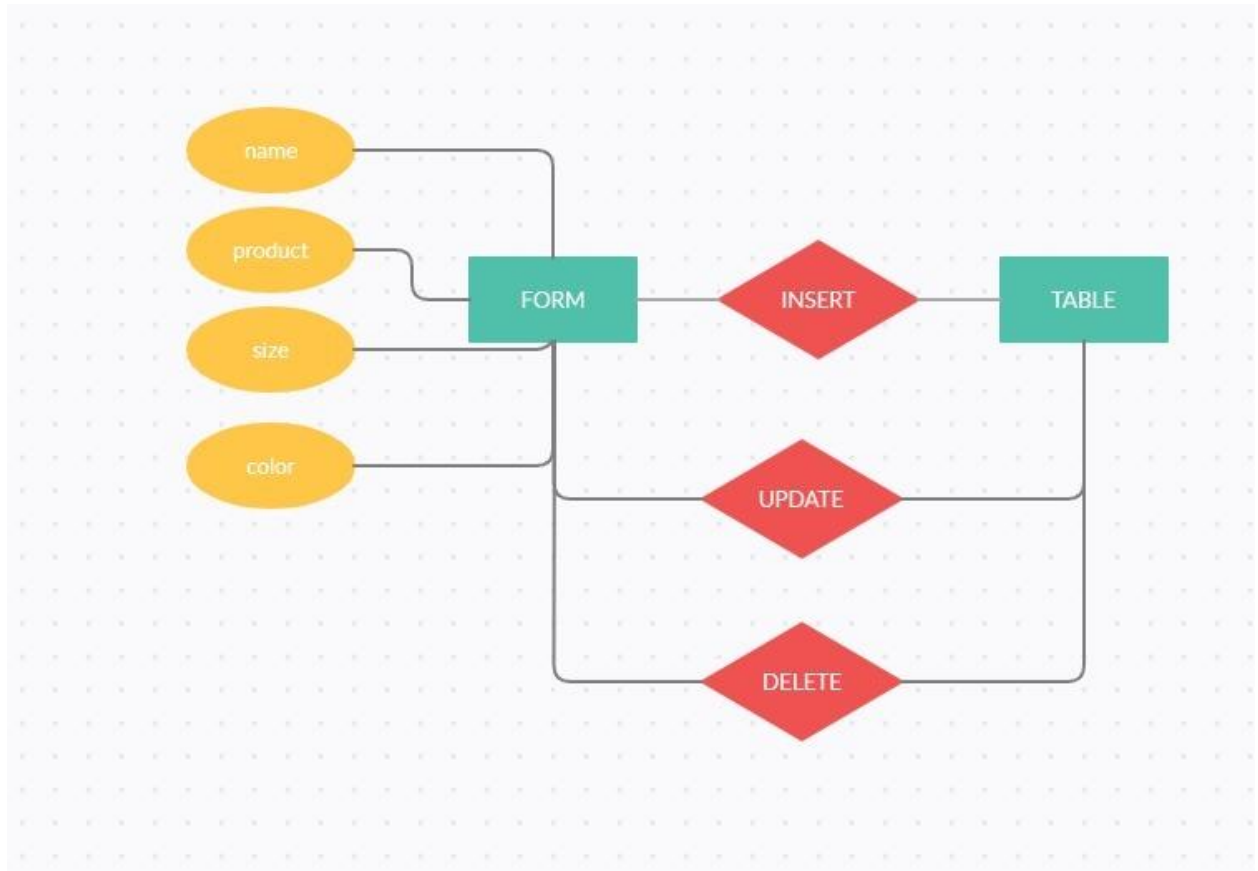
CS19-018



**SUBMITTED TO
SIR ASIF RAZA**

DEPARTMENT OF COMPUTER SCIENCE
SIR SYED UNIVERSITY OF ENGINEERING AND TECHNOLOGY

ERD



GET LIST OF ALL PRODUCTS

GET http://localhost:3000/ No Environment

Untitled Request BUILD

GET http://localhost:3000/ Send Save

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies Code

Body Cookies Headers (7) Test Results Status: 200 OK Time: 97 ms Size: 567 B Save Response

Pretty Raw Preview Visualize JSON

```
3 {
4   "id": 2,
5   "Name": "cotton",
6   "product_type": "shalwar",
7   "size": "small",
8   "color": "Blue",
9   "category": "sakhawat"
10 },
11 {
12   "id": 3,
13   "Name": "Munib",
14   "product_type": "sfsgfhalwar",
15   "size": "sfg",
16   "color": "Blgdfgue",
17   "category": "sgss"
18 },
19 {
20   "id": 4,
21   "Name": "Mundfab",
22   "product_type": "sssfsgfhalwar",
23   "size": "sfgsdsf",
24   "color": "Blgdfgues",
25   "category": "sgssfs"
26 }
27 }
```

Bootcamp

INSERT VALUES IN DB

POST http://localhost:3000/adddata No Environment

Untitled Request BUILD

POST http://localhost:3000/adddata Send Save

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies Cod

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

```
1 {
2   "Name": "Adidas",
3   "producttype": "shoes",
4   "size": "medium",
5   "color": "Black",
6   "category": "lawn"
7 }
8
9 }
```

Body Cookies Headers (7) Test Results Status: 200 OK Time: 301 ms Size: 240 B Save Response

Pretty Raw Preview Visualize HTML

1 Data inserted

✓ Showing rows 0 - 3 (4 total, Query took 0.0008 seconds.)

```
SELECT * FROM `productlist`
```

☐ Profiling [\[Edit in ...\]](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Options

		id	Name	product_type	size	color	category
<input type="checkbox"/>	Edit Copy Delete	2	cotton	shalwar	small	Blue	sakhawat
<input type="checkbox"/>	Edit Copy Delete	3	Munib	sfsgfhalwar	sfg	Blgdfigue	sgss
<input type="checkbox"/>	Edit Copy Delete	4	Mundfab	sssfsgfhalwar	sfgfsdsf	Blgdfigues	sgssfs
<input type="checkbox"/>	Edit Copy Delete	6	Adidas	shoes	medium	Black	lawn

☐ Check all | With selected: Edit Copy Delete Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

[Print](#)
[Copy to clipboard](#)
[Export](#)
[Display chart](#)
[Create view](#)

UPDATE VALUES IN DB

POST http://localhost:3000/adddata No Environment

Untitled Request BUILD

POST http://localhost:3000/adddata Sending...

Params Authorization Headers (8) Body Pre-request Script Tests Settings

☒ none
 ☐ form-data
 ☐ x-www-form-urlencoded
 ☒ raw
 ☐ binary
 ☐ GraphQL
 ☒ JSON

```

1
2  "name": "Adidas",
3  "producttype": "T-shirt",
4  "size": "small",
5  "color": "blue",
6  "category": "cotton"
7
8
9
  
```

Body Cookies Headers (7) Test Results

Status: 200 OK Time: 291 ms Size: 240 B Save

Pretty Raw Preview Visualize HTML

Showing rows 0 - 3 (4 total, Query took 0.0009 seconds.)

```
SELECT * FROM `productlist`
```

☐ Profiling [\[Edit inline\]](#) [\[Edit\]](#) [\[Explain SQL\]](#) [\[Create PHP\]](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	id	Name	product_type	size	color	category
<input type="checkbox"/> Edit Copy Delete	2	cotton	shalwar	small	Blue	sakhawat
<input type="checkbox"/> Edit Copy Delete	3	Munib	sfgsghalwar	sfg	Blgdfigue	sgss
<input type="checkbox"/> Edit Copy Delete	4	Mundfab	sssfgsghalwar	sfgsdfs	Blgdfigues	sgssfs
<input type="checkbox"/> Edit Copy Delete	6	Adidas	T-shirt	small	blue	cotton

Check all | With selected: Edit Copy Delete Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

DELETE VALUES IN DB

Untitled Request B

GET http://localhost:3000/delete Send

Params Authorization Headers (8) **Body** Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```

1 {
2   "id": 6
3 }
4
5

```

Body Cookies Headers (7) Test Results Status: 200 OK Time: 258 ms Size: 239 B

Pretty Raw Preview Visualize HTML Copy

1 Data deleted

☐ Profiling [\[Edit inline\]](#) [\[Edit\]](#) [\[Explain SQL\]](#) [\[Create\]](#)

☐ Show all | Number of rows: 25 | Filter rows: Sort by key: None

+ Options

		id	Name	product_type	size	color	category
<input type="checkbox"/>	Edit	Copy	Delete	2	cotton	shalwar	small Blue sakhawat
<input type="checkbox"/>	Edit	Copy	Delete	3	Munib	sfsgfhalwar	stg Blgdfgue sgss
<input type="checkbox"/>	Edit	Copy	Delete	4	Mundfab	sssfsgfhalwar	sfgsdsf Blgdfgues sgssfs

☐ Check all | With selected: Edit Copy Delete Export

☐ Show all | Number of rows: 25 | Filter rows: Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Label: ☐ Let every user access this bookmark

Bookr

CODE

```

var express = require('express')
var user = new express()
var body = require('body-parser')
user.use(body.json());
var connect = require('./connection')
var sql = require("sql")

var mysql = require('mysql');

var con = mysql.createConnection({
  host: "localhost",
  user: "root",
  password: "",
  database:"DBproject"
});

con.connect(function(err) {
  if (err) throw err;
  console.log("Connected!");
});

// Create table
user.get('/addtable', (req, res) => {

```

```

    let sql = 'CREATE TABLE Productlist(id int AUTO_INCREMENT, Name VARCHAR(255),
PRIMARY KEY(id),product_type VARCHAR(255), size varchar(255), color VARCHAR(255)
,category varchar(255))';
    con.query(sql, (err, result) => {
        if(err) throw err;
        console.log(result);
        res.send('Posts table created...');
    });
});
user.post('/adddata', async (req, res, next) => {
    var id;
    let sql = 'select * from productlist WHERE name = ?';
    let data = con.query(sql, [req.body.name], (err, result) => {
        if(err) throw err;
        console.log(result);
        if(result.length <= 0) {

            let sql1 = 'INSERT INTO productlist SET ?';
            let values = {
                Name: req.body.name,
                product_type: req.body.producttype,
                size: req.body.size,
                color: req.body.color,
                category: req.body.category };
            con.query(sql1, values, (err, result) => {
                if(err) throw err;
                console.log(result);
                res.status(200).send("Data inserted")
            })

        } else {
            let sql2 = 'update Productlist SET name=?,size=?,color=?,category=?,p
roduct_type=? where name = ?';
            let values = [req.body.name, req.body.size, req.body.color, req.body.cat
egory, req.body.producttype, req.body.name];
            con.query(sql2, values, (err, result) => {
                if(err) throw err;
                console.log(result);
            })
        }
    })
})

user.get('/delete', (req, res) => {

```

```
let sql= 'DELETE FROM PRODUCTLIST WHERE ID = ?'
con.query(sql,[req.body.id] ,(err,result)=>{
  if(err) {
    console.log(err);
  }

  console.log(result);
  res.status(200).send("Data deleted")
})
})
user.get('/',(req,res)=>{
  console.log("//");
  let sql = 'select * from productlist';
  con.query(sql,(err,result)=>{
    console.log(result);
    res.status(200).json({data:result})
  })
})
user.listen(3000,(err,reslt)=>{
  console.log("Server is running");
})
```