**Requirements**

1. I installed the following modules: express, body-parser, mysql2, pug, path, csvtojson, cookie-parser, nodemon.
2. Establishment of the data base:

<http://localhost:8000/createDBtables>

<http://localhost:8000/insertCustomers>

<http://localhost:8000/insertRatings>

<http://localhost:8000/insertSalons>

<http://localhost:8000/showCustomers>

<http://localhost:8000/showRatings>

<http://localhost:8000/showSalons>

<http://localhost:8000/dropDBtables>

routs:

//initialize DB

app.get('/createDBtables', [CRUD\_DB.createCustomersTable, CRUD\_DB.createRatingsTable, CRUD\_DB.createSalonsTable]);

//insert data

app.get('/insertCustomers', CRUD\_DB.InsertCustomersData);

app.get('/insertRatings', CRUD\_DB.InsertRatingsData);

app.get('/insertSalons', CRUD\_DB.InsertSalonsData);

//show tables

app.get('/showCustomers', CRUD\_DB.ShowCustomersTable);

app.get('/showRatings', CRUD\_DB.ShowRatingsTable);

app.get('/showSalons', CRUD\_DB.ShowSalonsTable);

//drop tables

app.get('/dropDBtables', [CRUD\_DB.dropRatingsTable, CRUD\_DB.dropCustomersTable, CRUD\_DB.dropSalonsTable]);

1. Create tables syntax:
2. const createCustomersTable = (req, res, next) => {
3. var Q1 = "CREATE TABLE IF NOT EXISTS `customers` ( \
4. first\_name VARCHAR(20) NOT NULL,\
5. last\_name VARCHAR(20) NOT NULL,\
6. email VARCHAR(255) NOT NULL PRIMARY KEY,\
7. phone\_number VARCHAR(10) NOT NULL,\
8. address VARCHAR(255) NOT NULL,\
9. age INT NOT NULL,\
10. password VARCHAR(255) NOT NULL\
11. )ENGINE=InnoDB DEFAULT CHARSET=utf8;"
12. sql.query(Q1,(err,mysqlres)=>{
13. if (err) {
14. console.log("error ", err);
15. res.status(400).send({message: "error in creating customers table"});
16. return;
17. }
18. console.log('customers table created successfully');
19. return;
20. })
21. next();
22. };
23. const createRatingsTable = (req, res, next) => {
24. var Q2 = "CREATE TABLE IF NOT EXISTS `ratings` (\
25. ratingID INT NOT NULL PRIMARY KEY AUTO\_INCREMENT,\
26. email VARCHAR(255) NOT NULL,\
27. Salon\_Name VARCHAR(50) NOT NULL,\
28. type\_of\_service VARCHAR(50) NOT NULL,\
29. ratings INT NOT NULL,\
30. FOREIGN KEY (email) REFERENCES customers(email)\
31. )ENGINE=InnoDB DEFAULT CHARSET=utf8;"
32. sql.query(Q2,(err,mysqlres)=>{
33. if (err) {
34. console.log("error ", err);
35. res.status(400).send({message: "error in creating ratings table"});
36. return;
37. }
38. console.log('ratings table created successfully');
39. return;
40. })
41. next();
42. };
43. const createSalonsTable = (req, res) => {
44. var Q3 = "CREATE TABLE IF NOT EXISTS `salons` (\
45. salonID INT NOT NULL PRIMARY KEY AUTO\_INCREMENT,\
46. Salon\_Name VARCHAR(50) NOT NULL,\
47. address VARCHAR(100) NOT NULL,\
48. contact\_number VARCHAR(10) NOT NULL,\
49. type\_of\_service VARCHAR(50) NOT NULL,\
50. price DECIMAL(10,2) NOT NULL,\
51. date DATE NOT NULL,\
52. appointment\_time TIME NOT NULL\
53. )ENGINE=InnoDB DEFAULT CHARSET=utf8;"
54. sql.query(Q3,(err,mysqlres)=>{
55. if (err) {
56. console.log("error ", err);
57. res.status(400).send({message: "error in creating salons table"});
58. return;
59. }
60. console.log('salons table created successfully');
61. console.log('all tables was created')
62. return;
63. })
64. };