Temasek Polytechnic

School of Informatics & IT

**Database Application Development (CIA1C06)**

**AY 21/22 Oct Semester**

**Project Part 3**

**(SQL and Server-Side Codes)**

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SQL Codes 3

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# SQL Codes

Write out the related SQL codes, route pattern and HTTP method for every functionality that your web application has. You will demonstrate to your Lecturer if the functionalities work using Postman based on the routes you created in the route file, and the functions that you wrote in the controller and DB files.

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| **Functionalities of Web Application** | **Related SQL code**  **(Full and complete SQL Statements, not partial)** | **URL Route Pattern** | **Payload** | **HTTP Method** | **Result From Postman**  **(Pass/Fail)**  (To be filled by Lecturer) |
| Login | SELECT password FROM ….. | /login | {“password”:”abc”} | GET |  |
| Get all Food items | SELECT \* FROM food | /displayFood | N.A. | GET |  |
| Get food item details by food ID | SELECT \* FROM ….. | /food/:food\_id |  | GET |  |
| Update User details by user ID | UPDATE users SET ….. | /updateUser/:user\_id |  | PUT |  |
| Delete a user by user ID | DELETE FROM users ….. | /deleteUser/:user\_id |  | DELETE |  |
| Add a new user/Registration | INSERT INTO users ….. | /addUser |  | POST |  |
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| **Functionalities of Web Application** | **Related SQL code**  **(Full and complete SQL Statements, not partial)** | **URL Route Pattern** | **Payload** | **HTTP Method** | **Result From Postman**  **(Pass/Fail)**  (To be filled by Lecturer) |
| Get All Restaurant | SELECT \* FROM restuarntdb.restaurantdetails | /AllRestauarnts | N/A | GET |  |
| POST Restaurant Cuisines(ethnic) | SELECT \* FROM restaurantdetails WHERE EthnicRestaurant = ? | /EthnicRestaurant | {      "EthnicRestaurant": "Western"  } | POST |  |
| Get Restaurant Rating in Descending order | SELECT \* FROM  Restaurantdetails ORDER BY Ratings DESC | /RestaurantRatingInDESC | N/A | GET |  |
| Get Restaurant Rating in Ascending order | SELECT \* FROM  Restaurantdetails ORDER BY Ratings ASC | /RestaurantRatingInASC | N/A | GET |  |
| Get Restaurant in Alphabetical Order | SELECT \* FROM  Restaurantdetails ORDER BY RestaurantTitle ASC | /RestaurantInAlphabeticalOrder | N/A | GET |  |
| POST RestaurantSEARCH | SELECT \* FROM Restaurantdetails WHERE RestaurantTitle = ? | /RestaurantSearch | {      "RestaurantTitle": "SWENSEN"  } | POST |  |
| Get AllReviewedDetails | SELECT \* FROM restuarntsdb.reviewrestaurant | /AllReviewed | N/A | GET |  |
| Add (POST) RestaurantReview | INSERT INTO reviewrestaurant(ReviewID, ReviewResturantsID, ReviewUserID, ReviewTitle, ReviewRestaurantName, Ratings, RatingPrice, RatingFood, RatingService, ReviewComment, ReviewPhoto, ReviewRestuarntHyperLink, ReviewByUserName, DatePost) | /ADDReviewed | "ReviewResturantsID":2,      "ReviewUserID":3,      "ReviewTitle": "This Food is so BAD",      "ReviewRestaurantName": "legends at anchorvale crescent basement 1",      "Ratings":2,      "RatingPrice": 3.4,      "RatingFood": 2.0,      "RatingService":2.3,      "ReviewComment": "The service is so bad they even give me the wrong food also the price for this is so expensive",      "ReviewPhoto":"image",      "ReviewRestuarntHyperLink": "Optional",      "ReviewByUserName": "Foodlover" | POST |  |
| Update (PUT)RestaurantReviewUpdate | “Update reviewrestaurant SET ReviewTitle=?, ReviewRestaurantName = ? ,  Ratings=?, RatingPrice=?, RatingFood=?, RatingService=?, ReviewComment=?, ReviewPhoto=?, ReviewRestuarntHyperLink=?, ReviewByUserName=?, DatePost=?,  WHERE ReviewID=?” | /ReviewedUpdate/:Update | "ReviewTitle": "The baked chessy rice is the best",      "ReviewRestaurantName": "astons",      "Ratings":5,      "RatingPrice": 4.6,      "RatingFood": 5.0,      "RatingService":4.5,      "ReviewComment": "The food tsate good so as the price is affordable and the service is great along ;D i would loved to come back again ",      "ReviewPhoto":"image",      "ReviewRestuarntHyperLink": "Optional",      "ReviewByUserName": "Food lover" | PUT |  |
| DELETE RestaurantReview | DELETE from reviewrestaurant WHERE ReviewID=? | /ReviewedDelete/:Delete | N/A | DELETE |  |
| (POST) UserLogin | SELECT \* From userprofiledata WHERE UserName = ?; | /UserAuth | {      "UserName": "Blue",      "PassWord": "Ezeikel888="  } | POST |  |
| Add (POST) NewUserProfile | INSERT INTO userprofiledata(UserID, UserName, FirstName, LastName, Gender, Address, PhoneNumber, Email, PassWord, UserProfilePictures, UserDescription, UserWallpaper ) | /AddUser | "UserName":"Blue",      "FirstName":"Derrick",      "LastName":"Lim",      "Gender":"male",      "Address":"ponggol road ave 5 blk 223 #05-764",      "PhoneNumber": 98567332,      "Email": "james34@gmail.com",      "PassWord": "Ezeikel888=",      "UserProfilePictures": "https//image",    " | POST |  |
| Update(PUT) UpdateUserProfile | UPDATE userprofiledata SET  UserName=?, FirstName=?, LastName=?,  Gender=?,  Address=?, PhoneNumber=?, Email=?,  PassWord=?, UserProfilePictures=?, UserDescription=?, UserWallpaper=?,  WHERE UserID=? | /UpdateUser/:Update | "UserName":"crazy bou",      "FirstName":"james",      "LastName":"bond",      "Gender":"male",      "Address":"ponggol road ave 5 blk 223 #05-764",      "PhoneNumber": 98567332,      "Email": "james34@gmail.com",      "PassWord":"testing password",      "UserProfilePictures": "https//image",      "UserDescription": "Hi there",      "UserWallpaper":"https//image/si" | PUT |  |
| DELETE UserProfileDetails | DELETE from userprofiledata WHERE UserID=? | /DeleteUser/:Delete | N/A | DELETE |  |