Temasek Polytechnic

School of Informatics & IT

**CIT1C21 Application Development Project**

**CIA1C06 Database Application Development**

**AY 23/24 Oct Semester**

**(Report)**

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# Section A: Backend RESTful API declaration

Write out the route pattern and HTTP method for every functionality that your web application has.

**All RESTful APIs must be indicated here.**

Note: Please replace the examples in the following table with your own in your final submission

|  |  |  |  |
| --- | --- | --- | --- |
| **Functionality of Web Application** | **URL Route Pattern** | **Input** | **HTTP Method** |
| Webpage | /product | There is no input as receiving data from database | GET |
| Add product | /product | Will have to insert name, description, price, category and image path | POST |
| Update product | /product/:id | When the product is clicked on the webpage it will be redirected to a new html webpage using id | PUT |
| Delete product | /product/:id | There is a delete button on the update\_product.html page that allows user to delete the product | DELETE |
| Delete product | /product/:id | Can click on the delete button below each product on the loadproduct.html page | DELETE |
|  |  |  |  |
|  |  |  |  |

# Section B: Frontend function declaration

Indicate your webpage URL for every functionality that your web application has.

Note: Please replace the examples in the following table with your own in your final submission

|  |  |  |
| --- | --- | --- |
| **Functionalities of Web Application** | **URL** | **Steps to test the functionality** |
| Home Page | <http://localhost:8080/loadproduct.html> | * Go to the URL |
| Add product | <http://localhost:8080/loadproduct.html>  <http://localhost:8080/post_product.html> | * Click the add product button * It will redirect you to a new webpage |
| Add product | <http://localhost:8080/post_product.html> | * Go to the URL * Fill up the details and press add product button |
| Update product | <http://localhost:8080/loadproduct.html>  <http://localhost:8080/update_product.html?id=13> | Press the edit button below the product and it will direct you to another page. |
| Update product | <http://localhost:8080/update_product.html?id=13> | Edit the details and click submit |
| Delete product | <http://localhost:8080/loadproduct.html> | Click the delete button below the button to delete the product |
| Delete product | <http://localhost:8080/loadproduct.html>  <http://localhost:8080/update_product.html?id=13> | When you want to edit a product there is also a delete button below it to delete the product |
|  |  |  |
|  |  |  |

# Section C: Instructions to run the project

Add the steps to run your project.

Note: Please replace the examples in the following table with your own in your final submission

|  |  |
| --- | --- |
| **Steps** | **Description** |
| 1 | Unzip project folder |
| 2 | Open project folder using visual studio code. |
| 3 | Execute the mysql.sql script |
| 4 | Open terminal and run node server.js |
|  |  |
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