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.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Functionality of Web Application** | **URL Route Pattern** | **Input** | **HTTP Method** |
| Get product details and image | /product | N.A. | GET |
| Get all the categories dynamically | /category | N.A. | GET |
| Displaying details for individual product by ID | /displaying/:id | Click the ‘details’ button under the desired product for more details on the website. | GET |
| Add a new product | /add\_product | Click the ‘Insert Product?’ button and enter data in the input boxes accordingly and click ‘Submit’ to add it. | POST |
| Updating details for individual product by ID | /displaying/:id | Click the ‘details’ button under the desired product for more details.  Enter new data in the input fields and press ‘Update’ button to update. | PUT |
| Deleting product by ID | /displaying/:id | Click the ‘details’ button under the desired product for more details.  Press the delete button to delete product | 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 (products are displayed here) | <http://localhost:8080/project.html> | * Go to the URL and you can see all the products for sale. |
| Insert a product | <http://localhost:8080/project.html> | * Go to the URL * Press the button ‘insert Product?’ and you can fill up the input boxes accordingly. * Press ‘Submit’ to add product |
| Update a product information | <http://localhost:8080/project.html> | * Go to the URL * Click on ‘Details’ below the product image. Product details will be shown. * Press the ‘Update’ button to update accordingly. |
| Delete a product information | <http://localhost:8080/project.html> | * Go to the URL * Click on ‘Details’ below the product’s image. Product details will be shown. * Press the ‘Delete’ button 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 ‘adev project 2’ folder |
| 3 | Open adev\_project2 folder using visual studio code. |
| 4 | Execute the Dump20240217.sql script |
| 5 | In vsc open the server.js file and start the server |
| 6 | Enter <http://localhost:8080/project.html> in the web browser |
|  |  |
|  |  |
|  |  |
|  |  |