School of Computing (SoC)

ST0524

Fundamental of Programming 2

ASSIGNMENT 1

Endpoints Documents (DataSet 1)

**Endpoint 1:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **GET** | | /allhdbdata | |
|  | Get all data from dataset | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| N.A. |  |  |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: /allhdbdata  Example Value:   |  | | --- | | **[**  **{**  **"month": "2023-03",**  **"town": "ANG MO KIO",**  **"flat\_type": "2 ROOM",**  **"block": "314",**  **"street\_name": "ANG MO KIO AVE 3",**  **"storey\_range": "07 TO 09",**  **"floor\_area\_sqm": 44,**  **"flat\_model": "Improved",**  **"lease\_commence\_date": "1978",**  **"remaining\_lease": "53 years 10 months",**  **"resale\_price": 288000**  **},**  **…………**  **…………**  **…………**  **]** | | |

**Endpoint 2:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **GET** | | /bytown/{town} | |
|  | Return data of a given town | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| town | path | town of interest |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: /[localhost:8081/bytown/ANG%20MO%20KIO](http://localhost:8081/bytown/ANG%20MO%20KIO)  Example Value:   |  | | --- | | **[**  **{**  **"month": "2023-03",**  **"town": "ANG MO KIO",**  **"flat\_type": "2 ROOM",**  **"block": "314",**  **"street\_name": "ANG MO KIO AVE 3",**  **"storey\_range": "07 TO 09",**  **"floor\_area\_sqm": 44,**  **"flat\_model": "Improved",**  **"lease\_commence\_date": "1978",**  **"remaining\_lease": "53 years 10 months",**  **"resale\_price": 288000**  **},**  **………**  **………**  **]** |   No record found:   |  | | --- | | **[]** | | |

**Endpoint 3:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **GET** | | /byflattype/{flattype} | |
|  | Return data of given flat type | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| flattype | Path | Flat type of interest |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: / byflattype/4%20ROOM  Example Value:   |  | | --- | | **[**  **{**  **"month": "2023-03",**  **"town": "ANG MO KIO",**  **"flat\_type": "4 ROOM",**  **"block": "337",**  **"street\_name": "ANG MO KIO AVE 1",**  **"storey\_range": "07 TO 09",**  **"floor\_area\_sqm": 92,**  **"flat\_model": "New Generation",**  **"lease\_commence\_date": "1982",**  **"remaining\_lease": "58 years",**  **"resale\_price": 493000**  **},**  **………**  **………**  **]** |     No record found:   |  | | --- | | **[]** | | |

**Endpoint 4:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **GET** | | /byyrmoth/:yrmonth | |
|  | Return data from the given year-month | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| yrmonth | path | The year followed by month e.g. 2023-07 |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: /byyrmoth/2023-07  Example Value:   |  | | --- | | **[**  **{**  **"month": "2023-07",**  **"town": "ANG MO KIO",**  **"flat\_type": "2 ROOM",**  **"block": "406",**  **"street\_name": "ANG MO KIO AVE 10",**  **"storey\_range": "04 TO 06",**  **"floor\_area\_sqm": 44,**  **"flat\_model": "Improved",**  **"lease\_commence\_date": "1979",**  **"remaining\_lease": "54 years 11 months",**  **"resale\_price": 290000**  **},**  **………**  **………**  **]** |   No record found:   |  | | --- | | **[]** | | |

- END -