ProposedInterface1.docx

Proposed interface for an App Server with RESTful interface and one database table (so far)

I have a list of foods.

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| **Action** | **Method** | **URL** | **Parameters (eg.)** | **Return (eg.)** |
| Get all | GET | /foods | none | Array: [{x:x}, {y:y}, {z:z}, … ] |
| Find by id | GET | /foods/id | none | Object: {“id”: “1”, “category”: “xx”, “name”: “yy”, “price: 1.50} |
| Create | POST | /foods | {“category”: “xx”, “name”: “yy”, “price: 2.00}  Server generates id | {“id”: “2”, “category”: “xx”, “name”: “yy”, “price: 2.00} |
| Update | PUT | /foods/id | {“name”: “pp”}  Or whatever attribute you want to modify. | {“id”: “2”, “category”: “pp”, “name”: “yy”, “price: 2.00} |
| Delete | DELETE | /foods/id | none | {“done”: true} |

Test the server with CURL:

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| **Action** | **CURL** |
| Get all | curl "http://127.0.0.1:5000/foods" |
| Find by id | curl "http://127.0.0.1:5000/foods/1" |
| Create | curl -i -H "Content-Type:application/json" -X POST -d "{\"name\":\"steak\", \"category\":\"Meat\", \"price\": 2.50 }" "http://127.0.0.1:5000/foods" |
| Update | curl -i -H "Content-Type:application/json" -X PUT -d "{\"price\":4.80}" "http://127.0.0.1:5000/foods/3" |
| Delete | curl -X DELETE "http://127.0.0.1:5000/foods/1" |