Project Web Services

Registration

Once your store is ready you will register your store online. Send a POST request with your store root url along with the store name to register. The url is http://cs410.cs.ualberta.ca:42001/registration/markets (remember to be connected to labs). Our service will "ping" your application to see if it is running, immediately upon registering and once per hour. You can register again with the same name to have it ping your server again immediately.

```
POST /markets
params: url, name
return = {
  error: ""     // If an error occurs when registering (e.g. invalid name), otherwise this will be empty
}
```

Example registering a market using curl:

```
curl -X POST -d '{"name":"Name for your market","url":"http://cs410-XX.cs.ualberta.ca/yourapipath"}'
http://cs410.cs.ualberta.ca:42001/registration/markets --header "Content-Type:application/json"
```

To get a list of all markets that are currently running send a GET to http://cs410.cs.ualberta.ca:42001/registration/markets or from your vm http://cs410-ta.cs.ualberta.ca/registration/markets

```
GET /markets
return = {
  markets: [
    {
      url: "",
      name: ""
    }
  ]
}
```

To see the status of all registered markets: http://cs410.cs.ualberta.ca:42001/registration/markets.html

Web Services API

For the project you will be tasked with creating an interface that can communicate with other groups. This api will be able to request a list of products from a store, specific details about a specific product, or order a product from that store. Below are the conventions that will be used.

To get a complete list of products from another store simple send a HTTP GET request to a groups root url plus /products. If your store has an item in stock then you return the id. Otherwise you should exclude the id. This will return a json string in the following format:

In order for us to "ping" your store please implement the following method which returns all of the product ids that are currently "in stock".

```
GET /products
return = {
  "products": [
```

```
    { "id": "c000001" },
    { "id": "c000002" }
  ]
}
```

To get more details about a given product you can send the request below:

```
GET /products/:id
return = {
  "id": "c000001",
  "category":"oven",
  "name":"OvenMaster",
  "desc":"A really good oven!",
  "img":"",
  "price":"1999.99",
  "weight":"200lbs",
  "dim":"10x20x30",
  "quantity":3
}
```

Once you've decided if you'd like to purchase a product from another store you need to send a HTTP POST request with the following url:

```
POST /products/:id/order
params: amount
return = {
  "order_id": "",
  "delivery_date": "2013-01-01"
}
```

Once you have ordered an item the delivery could change. So implement a method that gets the "status: of an order. It should return the old date or a new "delayed" date.

```
POST /orders/:id
return = {
  "delivery_date": "2013-01-01"
}
```

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