REST Web Service Exercises

# Part 1

In the first part of the exercise, we will implement some basic CRUD operations on Products, Users, and Transactions.

The Products controller already has the basic operations implemented. You can use that as a guide for how to implement the User controller and the Transaction controller.

The following link will help you add a controller to the project  
<http://www.asp.net/web-api/overview/getting-started-with-aspnet-web-api/tutorial-your-first-web-api>

Implement the following:

GET /users Returns a list of all users  
GET /users/{id} Returns a single user object with the matching id  
POST /users Creates a new User and returns the id of the newly created user  
PUT /users/{id} Update a user object (everything but ID will be updated)  
DELETE /users/{id} Delete user by ID if it exists

GET /transactions

# Part 2

This part will focus on using query parameters to filter GET request results.

Implement the following endpoints:

GET /products?hasStock={true|false} If true, return only products with stock. If false return all products that have no stock.

GET /users?sortBalance={ASC|DESC} Sort user list based on balance either Ascending or Descending based on query parameter value

GET /transactions?startDate=2015-01-01&endDate=2016-12-31 Return only transactions in the date range