Rest Endpoints →

1. /products - GET - 200

2. /products - POST - 201

3. /products/{id} - DELETE – 204

4. /price/{id} – GET – 200

5. /products?category={category name} – GET 200 – Logic for this service is incomplete

Assumptions →

1. All endpoints follow a pattern of /GloboMart/rest/* which is registered with our RestServlet
2. Apache server instead of jetty is used, with necessary librarires.
3. Simple Derby DB with just two tables PRODUCS AND PRICE is created. Table constraints and relations are not implemented.
4. Used JSONObject external library during post request, however I've implemented my own toJson() method in Product.java class to return a JSONObject structure during product GET.
5. Assuming no external rest framework was allowed during this exercise, I've implemented a Annotation based rest application which redirects the requests to corresponding methods to do processing !

Risks →

1. Authentication for rest services are not implemented, which should be done at service layer of HttpServlet
2. Methods/ endpoints which are not supported should return proper error codes
3. Error handling is not so nice, and it should not throw full stackstrace to end user

Simple Enhancements required to make it robost →

1. DELETE AND POST can return data deleted and created, which is currently
2. Effective date for a product availability, effective date of price columns should be included in database
3. Matcher method should be enhanced to properly match and forward requests to respective methods.