Below mail contains the data interchange formats:

Following will be the URL request formats for the service which will handle the data transactions. Every request is modeled to work with both GET and POST. I have listed the sample get formats of the service requests. Whenever there is big data accompanied in the request like a user comment or post optional text, it is preferable to use a POST request than a GET. Please let me know what additional requests you might need and I will add them. Also let me know if you would like to make the create requests as PUT requests(Not preferable for first implementation). Let me know if you have any concerns.

**Create a new post**

<http://localhost/DatastoreSvc.php?cmd=1&lat=5&long=10&url=abc&cat=test&opt=Sample+Text>

**Create a new User**

<http://localhost/DatastoreSvc.php?cmd=2&uid=1234567&uname=agadre>

**Create a new Comment**

<http://localhost/DatastoreSvc.php?cmd=3&pid=1234567&uid=46573456&content=sample+content>

**Response format(JSON)**

**Success:**

{"status":200,"status\_meassage":"Success","data":null}

**Failure**

{"status":400,"status\_meassage":"Invalid Request","data":null}

**Get Posts within certain are of map bounded by latitude and longitude**.

<http://localhost/DatastoreSvc.php?cmd=4&latup=10&longup=10&latdown=100&latdown=100>

**Get post by id**

<http://localhost/DatastoreSvc.php?cmd=5&pid=1234>

**Get post by url(Encode the url)**

<http://localhost/DatastoreSvc.php?cmd=6&url=http://youtube.com/abcd>

**Result format(JSON)**

{"status":200,"status\_meassage":"Success","data":[{"post\_id":"1","latitude":"5.000000","longitude":"10.000000","url":"abc","time":"2014-03-04 21:40:04","category":"test","optional":"Aditya Gadre","Average\_rating":"0","post\_spam":"0","view\_count":"0","custom\_property1":null,"custom\_property2":null,"custom\_property3":null,"custom\_property4":null,"custom\_property5":null},{"post\_id":"2","latitude":"5.000000","longitude":"10.000000","url":"abc","time":"2014-03-06 14:23:36","category":"test","optional":"Sample Text","Average\_rating":"0","post\_spam":"0","view\_count":"0","custom\_property1":null,"custom\_property2":null,"custom\_property3":null,"custom\_property4":null,"custom\_property5":null},{"post\_id":"3","latitude":"5.000000","longitude":"10.000000","url":"abc","time":"2014-03-06 14:23:54","category":"test","optional":"Sample Text","Average\_rating":"0","post\_spam":"0","view\_count":"0","custom\_property1":null,"custom\_property2":null,"custom\_property3":null,"custom\_property4":null,"custom\_property5":null},{"post\_id":"4","latitude":"5.000000","longitude":"10.000000","url":"abc","time":"2014-03-06 14:24:40","category":"test","optional":"Sample Text","Average\_rating":"0","post\_spam":"0","view\_count":"0","custom\_property1":null,"custom\_property2":null,"custom\_property3":null,"custom\_property4":null,"custom\_property5":null},{"post\_id":"5","latitude":"5.000000","longitude":"10.000000","url":"abc","time":"2014-03-06 14:25:19","category":"test","optional":"Sample Text","Average\_rating":"0","post\_spam":"0","view\_count":"0","custom\_property1":null,"custom\_property2":null,"custom\_property3":null,"custom\_property4":null,"custom\_property5":null},{"post\_id":"6","latitude":"5.000000","longitude":"10.000000","url":"abc","time":"2014-03-06 14:25:27","category":"test","optional":"Sample Text","Average\_rating":"0","post\_spam":"0","view\_count":"0","custom\_property1":null,"custom\_property2":null,"custom\_property3":null,"custom\_property4":null,"custom\_property5":null}]}

**Get all comments with usernames for a post**

<http://localhost/DatastoreSvc.php?cmd=7&pid=12334>

**Response Format**

{"status":200,"status\_meassage":"Success","data":[{"comment\_id":"1","content":"sample content","comment\_spam":"0","comment\_time":"2014-03-06 14:39:59","user\_name":"adi"}]}