**Setup Instructions**

**Tools/SW required.**

1. **POSTMAN: Plugin**

Install ‘postman’

1. **CURL: Command Line Tool**

Install ‘curl’ command line tool

1. **UniRest with Junit : JAVA Library**

> Install Java JDK 1.8

> Install IntelliJ Community edition

> Create a new Maven Project with below dependency

**Pom dependencies: Add below content to ‘pom.xml’ project File.**

*<****dependencies****>*

*<****dependency****>*

*<****groupId****>com.mashape.unirest</****groupId****>*

*<****artifactId****>unirest-java</****artifactId****>*

*<****version****>1.4.9</****version****>*

*</****dependency****>*

*<****dependency****>*

*<****groupId****>junit</****groupId****>*

*<****artifactId****>junit</****artifactId****>*

*<****version****>RELEASE</****version****>*

*<****scope****>test</****scope****>*

*</****dependency****>*

*</****dependencies****>*

**Testing Scenarios**

* **Verify get Dreams**
  + **POSTMAN:**

Method : GET

URL : https://dreamstw.herokuapp.com/dreams

Headers: key= Accept

Value = application/json

* **CURL:**

curl -X GET https://dreamstw.herokuapp.com/dreams -H "Accept: application/json" -i

* **JAVA: Write a new JUnit Test**

@Test

**public void** test\_should\_verify\_get\_dreams() **throws** UnirestException {

String url = **"https://dreamstw.herokuapp.com/dreams/"**;

HttpResponse<JsonNode> jsonResponse = Unirest.*get*(url)

.header(**"Accept"**,**"application/json"**).asJson();

Assert.*assertEquals*(200, jsonResponse.getStatus());

Assert.*assertNotNull*(jsonResponse.getBody());

}

* **Verify GET a specific Dream** 
  + **POSTMAN**

Method : GET

URL : https://dreamstw.herokuapp.com/dreams/{dream\_id}

Headers: key= Accept

Value = application/json

* + **CURL**

curl -X GET https://dreamstw.herokuapp.com/dreams/{dream\_id} -H "Accept: application/json" -i

* + **JAVA**

@Test

**public void** test\_should\_verify\_get\_specific\_dream() **throws** UnirestException {

String url = **"https://dreamstw.herokuapp.com/dreams/"**;

String dream\_id = **"{dream id}"**;

HttpResponse<JsonNode> jsonResponse = Unirest.*get*(url+dream\_id)

.header(**"Accept"**,**"application/json"**).asJson();

Assert.*assertEquals*(200, jsonResponse.getStatus());

Assert.*assertNotNull*(jsonResponse.getBody());

}

* **Verify Create a New Dream** 
  + **POSTMAN:**

Method : POST

URL : https://dreamstw.herokuapp.com/dreams

Headers: key= Content-Type

Value = application/json

Body: {“dream”: “test dream”}

* **CURL:**

curl -X POST -H "Content-Type: application/json" -d '{"dream": "something"}' **https://dreamstw.herokuapp.com/dreams** -i

* **JAVA:**

@Test

**public void** test\_should\_verify\_create\_dream() **throws** UnirestException {

String url = **"https://dreamstw.herokuapp.com/dreams"**;

HttpResponse<String> response = Unirest.*post*(url)

.header(**"Content-type"**, **"application/json"**)

.body(**"{\"dream\": \"I have a new Dream Again\"} "**)

.asString();

Assert.*assertEquals*(201, response.getStatus());

Assert.*assertNotNull*(response.getBody());

}

* **Verify updating a new Dream:** 
  + **POSTMAN**

Method : PUT

URL : **https://dreamstw.herokuapp.com/dreams**/{dream id}

Headers: key= Content-Type

Value = application/json

Body: {“dream”: “test dream”}

* + **CURL**

curl -X POST **https://dreamstw.herokuapp.com/dreams**/{dream id} -H "Content-Type: application/json" -i -d {“dream”: “Updating to New Dream”}

* + **JAVA**

**@Test**

**public void test\_should\_verify\_update\_specific\_dream() throws UnirestException {**

**String url = "https://dreamstw.herokuapp.com/dreams/";**

**String dream\_id = "dream id";**

**HttpResponse<String> jsonResonse = Unirest.*put*(url+dream\_id)**

**.header("Content-Type", "application/json")**

**.body("{\"dream\": \"New Dream is updated here\"}")**

**.asString();**

**System.*out*.println(jsonResonse.getBody());**

**Assert.*assertEquals*(200, jsonResonse.getStatus());**

**Assert.*assertNotNull*(jsonResonse.getBody());}**

* **Verify deleting a specific Dream:**

**CURL :**

curl -X DELETE https://dreamstw.herokuapp.com/dreams/{dream\_id} -H "user: {user name}" -H “password:password” -i