1. The solution is based on Java 15/Maven/SpringBoot REST API

2. The REST service is built upon Springboot

a. The CakeApplication class automatically uploads all the cakes into the HSQL DB upon startup

b. The cakes.URL path is set in /cake-manager-mvn/src/main/resources/application.properties file as:

cakes.URL=https://gist.githubusercontent.com/hart88/198f29ec5114a3ec3460/raw/8dd19a88f9b8d24c23d9960f3300d0c917a4f07c/cake.json

c. The list of all cakes are obtained using @GetMapping i.e. HTTP GET using the getCakes() and getAllCakes() methods

d. The endpoints for these methods are "/" (getCakes()) and "/cakes" (getAllCakes())

3. Java based HSQL DB in-memory database is used to store and process data

4. The unit tests are written in JUnit

5. The tests can be run by the command "mvn clean test"

6. The application can be run by

a. First using the "mvn clean package" to build the war file

b. This will create ..\eclipse-workspace\dbRESTService\target\dbRESTService-0.0.1-SNAPSHOT.war

c. Next using the "mvn spring-boot:run" to deploy the war file on tomcat on localhost:8282

d. Use a REST client like Swagger or Postman to access the service

7. To skip tests and run use: `mvn -DskipTests clean package && mvn -DskipTests spring-boot:run`

8. Swagger is running at http://localhost:8282/swagger-ui.html#

9. Authentication via OAuth2 is done using Github account



