**2015.09.09 : September 9th, Year 2015. WEDNESDAY**  
MY TODO:  
**1.** Get rid of debug code in NinjaMaker2000.html  
**2.** riddle\_table - via import.sql  
**3.** rhyme\_table - via import.sql  
 3.5: JOIN TABLES for riddle\_table + rhyme\_table  
 3.5.1: riddle\_rhyme\_truth table  
 3.5.2: riddle\_rhyme\_false table  
**4:** Riddle api servlet:  
 4.1: Make stub servlet  
 4.2: Wire up URL paths  
 4.3. Make new riddle entry service.  
 4.3.1: Add code to RiddleUtil  
 4.3.2: Impliment RiddleUtil code in servlet.  
 4.4: Get riddle entry by ID:  
 4.4.1: Add code to RiddleUtil  
 4.4.2: Implement RiddleUtil codein servlet.  
**5:** Riddle API UI:  
 5.1: RiddleGetter.html  
 5.2: RiddleMaker2000.html  
**6.** Find Ninja By Email:  
 6.1: Error response if creating new ninja with identical email as another one in database.  
 6.2: API to find ninja by email.  
 6.3: UI to find ninja by email.

LAST\_INSERT\_ID() may not be valid in import.sql using hibernate and mysql..  
Look into that.  
<http://stackoverflow.com/questions/20891875/how-to-get-last-inserted-id-from-table-mysql>

Back up your import.sql as you figure out what is wrong:

|  |
| --- |
| BEGIN;  # Declaring variables: Help:  # A how to: http://stackoverflow.com/questions/11505522/mysql-declaring-variables  # Tells me variables need to be declared and used within the scope  # of a "BEGIN; and END;"  # https://dev.mysql.com/doc/refman/5.0/en/declare-local-variable.html  SET @last\_riddle\_id = 0;  SET @last\_rhyme\_id = 0;  -- Max length == 800, as in: 10 lines max when each line is 80 chars. --  -- Max length == 80 (one line) for our answers (rhymes). --  CREATE TABLE riddle\_table (id serial PRIMARY KEY, string varchar(800) );  CREATE TABLE rhyme\_table (id serial PRIMARY KEY, string varchar(80) );  CREATE TABLE riddle\_rhyme\_truth\_table (riddle\_id INT UNSIGNED NOT NULL,  rhyme\_id INT UNSIGNED NOT NULL);  CREATE TABLE riddle\_rhyme\_wrong\_table (riddle\_id INT UNSIGNED NOT NULL,  rhyme\_id INT UNSIGNED NOT NULL);  -- RIDDLE + RHYME ENTRY --  INSERT INTO riddle\_table (string) VALUES ('I build up castles but tear down mountains make some men blind but others to see. What am I?');  SET @last\_riddle\_id := 1;  INSERT INTO rhyme\_table (string) VALUES ('Sand my man.');  SET @last\_rhyme\_id := 1;  INSERT INTO riddle\_rhyme\_truth\_table(riddle\_id, rhyme\_id) VALUES (@last\_riddle\_id,@last\_rhyme\_id);  -- RIDDLE + RHYME ENTRY --  INSERT INTO riddle\_table (string) VALUES ('I have lots to say but can never speak. Knowledge is the thing I eat. Inside me adventures you will find quests and treasures of every kind for all those that wish to visit me your hands are the ultimate key. What am I?');  SET @last\_riddle\_id = 2;  INSERT INTO rhyme\_table (string) VALUES ('A book, Ms. Cook.');  SET @last\_rhyme\_id = 2;  INSERT INTO riddle\_rhyme\_truth\_table(riddle\_id, rhyme\_id) VALUES (@last\_riddle\_id,@last\_rhyme\_id);  -- RIDDLE + RHYME ENTRY --  INSERT INTO riddle\_table (string) VALUES ('The beginning of eternity, the end of time and space, the beginnings of every end, the end of every place. What am I?');  SET @last\_riddle\_id = 3;  INSERT INTO rhyme\_table (string) VALUES ('The letter "e" I see.');  SET @last\_rhyme\_id = 3;  INSERT INTO riddle\_rhyme\_truth\_table(riddle\_id, rhyme\_id) VALUES (@last\_riddle\_id,@last\_rhyme\_id);  -- RIDDLE + RHYME ENTRY --  INSERT INTO riddle\_table (string) VALUES ('White flesh above and brown gills below. Never moving an inch, and in darkness I grow.');  SET @last\_riddle\_id = 4;  INSERT INTO rhyme\_table (string) VALUES ('A mushroom maybe?');  SET @last\_rhyme\_id = 4;  INSERT INTO riddle\_rhyme\_truth\_table(riddle\_id, rhyme\_id) VALUES (@last\_riddle\_id,@last\_rhyme\_id);  -- RIDDLE + RHYME ENTRY --  INSERT INTO riddle\_table (string) VALUES ('I touch the Earth, I touch the sky, But if I touch you, you will surely die.');  SET @last\_riddle\_id = 5;  INSERT INTO rhyme\_table (string) VALUES ('Lightning is frightening.');  SET @last\_rhyme\_id = 5;  INSERT INTO riddle\_rhyme\_truth\_table(riddle\_id, rhyme\_id) VALUES (@last\_riddle\_id,@last\_rhyme\_id);  -- RIDDLE + RHYME ENTRY --  INSERT INTO riddle\_table (string) VALUES ('I run away every day and return every night. I am the bane of the flower and a friend to furry little robbers.');  SET @last\_riddle\_id = 6;  INSERT INTO rhyme\_table (string) VALUES ('Raccoons after noon.');  SET @last\_rhyme\_id = 6;  INSERT INTO riddle\_rhyme\_truth\_table(riddle\_id, rhyme\_id) VALUES (@last\_riddle\_id,@last\_rhyme\_id);  -- RIDDLE + RHYME ENTRY --  INSERT INTO riddle\_table (string) VALUES ('I live in the oceans, the rivers and seas, when I am cold I float, when I am hot, I am free.');  SET @last\_riddle\_id = 7;  INSERT INTO rhyme\_table (string) VALUES ('Water is wet.');  SET @last\_rhyme\_id = 7;  INSERT INTO riddle\_rhyme\_truth\_table(riddle\_id, rhyme\_id) VALUES (@last\_riddle\_id,@last\_rhyme\_id);  -- RIDDLE + RHYME ENTRY --  INSERT INTO riddle\_table (string) VALUES ('You use it between your head and toes, the more it works the thinner it grows. What is it?');  SET @last\_riddle\_id = 8;  INSERT INTO rhyme\_table (string) VALUES ('Soap on a rope.');  SET @last\_rhyme\_id = 8;  INSERT INTO riddle\_rhyme\_truth\_table(riddle\_id, rhyme\_id) VALUES (@last\_riddle\_id,@last\_rhyme\_id);  COMMIT; |

Read a git commit snapshot??  
git show 15a3dd18f61bcd720be9f7125d436670c6c135c2  
Where 15a3dd18f61bcd720be9f7125d436670c6c135c2 is the commit ID.

@Embeddable might be what I want:  
<http://stackoverflow.com/questions/21284175/how-to-make-two-column-as-a-primary-key-in-hibernate-annotation-class>

@IdClass mentioned:  
<http://stackoverflow.com/questions/19069373/how-to-define-two-primary-keys-hibernate-jpa>

More on @IdClass, looks like the way to go:  
http://stackoverflow.com/questions/3585034/how-to-map-a-composite-key-with-hibernate

CHOOOOO CHOOOOO!!!  
2015.09.10 (Thursday September 10th, Year 2015):

Listing of all the nexient testing service UIS:  
<http://localhost:8080/Nexient-TestingService-0.0.1-SNAPSHOT/swagger-ui.html>

Deploy Index.html page in tomcat?  
<http://stackoverflow.com/questions/3954621/deploying-just-html-css-webpage-to-tomcat>  
Doesn't have answer. But the sample .war file may tell you how to do it.  
  
MY war research was in this folder:  
CHRONO\17\_JSTL\_CORE\_EXAMPLE\WarResearch  
So go take a look at that.

It just works automagically..

|  |
| --- |
| Searched for index.html deploy MAVEN:  Think I found answer: https://maven.apache.org/guides/mini/guide-site.html |
| <?xml version="1.0" encoding="ISO-8859-1"?>  <project name="Maven">  <bannerLeft>  <name>Maven</name>  <src>http://maven.apache.org/images/apache-maven-project.png</src>  <href>http://maven.apache.org/</href>  </bannerLeft>  <bannerRight>  <src>http://maven.apache.org/images/maven-small.gif</src>  </bannerRight>  <body>  <links>  <item name="Apache" href="http://www.apache.org/" />  <item name="Maven 1.x" href="http://maven.apache.org/maven-1.x/"/>  <item name="Maven 2" href="http://maven.apache.org/"/>  </links>  <menu name="Maven 2.0">  <item name="Introduction" href="index.html"/>  <item name="Download" href="download.html"/>  <item name="Release Notes" href="release-notes.html" />  <item name="General Information" href="about.html"/>  <item name="For Maven 1.x Users" href="maven1.html"/>  <item name="Road Map" href="roadmap.html" />  </menu>  <menu ref="reports"/>  ...  </body>  </project> |

Took a look at Guantlet (Nexient Testing Service)  
I see a lot of neat tech in it...  
But overall a bit confused at what to do...  
I can't make API calls without a token!  
How can I get started building UI there is no API I can grab.  
Mike and I seem to have some miscommunication.  
As I want to wrap the API calls in test HTML UI pages.  
He is saying that "Swagger is the UI".  
No... I need small UIs that mimmick the steps that are to be worked up to.  
  
Also: I thought deploying to a REAL server took time...  
Real server takes 2 minutes max after I do "git deploy" in git bash.  
NexientTestingService takes 2:42 seconds after hitting "deploy" button.  
Also, I am not accounting for undeploying, and the troubles removing the original  
deployment from the server.  
I had to:  
shutdown tomcat on xampp  
delete .war from xampp folder.   
restart tomcat on xampp  
deploy the new .war file.  
And the deploy phase itself took 2:42 seconds.

Mike helped me setup JDBC connection.  
The connection was NOT done with hbm.cfg.xml nore with annotation configuration.  
It was an eclipse specific connection done with the data base connection views.

|  |  |
| --- | --- |
| Need to open this view to look at database  connections. This is an eclipse specific way of configuring database connection.  It is analogous to setting the database connection url within hbm.cfg.xml. | Database name: candidate\_evaluation databseURL: jdbc:mysql://localhost:3306/candidate\_evaluation username: root , password: <none> JDBC Driver found in MYSQL/DRIVERS folder. |
|  |  |

TODO: Wrap the test APIs in UI:  
**1.** [**http://localhost:8080/Nexient-TestingService-0.0.1-SNAPSHOT/v1/test/start?token=testing**](http://localhost:8080/Nexient-TestingService-0.0.1-SNAPSHOT/v1/test/start?token=testing) **2. http://localhost:8080/Nexient-TestingService-0.0.1-SNAPSHOT/v1/test/confirm?token=testing  
3.** [**http://localhost:8080/Nexient-TestingService-0.0.1-SNAPSHOT/v1/test/confirm?token=randomstring**](http://localhost:8080/Nexient-TestingService-0.0.1-SNAPSHOT/v1/test/confirm?token=randomstring)  
  
Those are the API calls I need to wrap in.  
Get UIS working locally. Then ask for help putting them into the project correctly.  
Awesome stuff to show will help.

POJO MAPPING??  
@Produces("application/json")  
On top of class I want to serialize??  
Documentation: <https://jersey.java.net/nonav/documentation/latest/user-guide.html#json>  
Stack Overflow that lead me here:   
<http://stackoverflow.com/questions/14846729/415-unsupported-media-type-content-type-set>

|  |
| --- |
| **HTTP Status 415 - Unsupported Media Type**  **type** Status report  **message** Unsupported Media Type  **description** The server refused this request because the request entity is in a format not supported by the requested resource for the requested method.  **Apache Tomcat/7.0.54** |

What if I am getting this error because I forgot the @queryParm arguments?  
And this error is... not really reflecting what is truely wrong?  
  
YES! That was the reason. Very misleading.

**IMPLEMENT THIS FOR SINGLE-CHOICE QUESTIONS!!!**  
<http://codepen.io/ftroitsky/pen/xwLcv/>

Would be awesome for tomorrow!