**2015.09.11. FRIDAY. September 11th, Year 2015.**  
Summary:  
1. Learned to embed JSON in javascript.  
2. Made a UI wrapper for a Gauntlet service.  
3. Learned to push to multiple remotes using:  
git remote set-url --add --push origin git://original/repo.git

git remote set-url --add --push origin git://another/repo.git  
4. Learned about CORS and how to implement with Jersey:

|  |
| --- |
| return Response.ok() //200  .entity(podcastById, detailed ? new Annotation[]{PodcastDetailedView.Factory.get()} : new Annotation[0])  .header("Access-Control-Allow-Origin", "\*")  .header("Access-Control-Allow-Methods", "GET, POST, DELETE, PUT")  .allow("OPTIONS").build(); |

This would be good for making a user-managing app:  
<http://www.w3schools.com/angular/tryit.asp?filename=try_ng_myusers>  
  
Basic Bootstrap components:  
<http://getbootstrap.com/components/>

THE BEST WAY TO EMBEDD JSON:  
Have decided to test, I know what should be given back. So just mock it up!  
<http://stackoverflow.com/questions/9320427/best-practice-for-embedding-arbitrary-json-in-the-dom>

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| http://stackoverflow.com/questions/9320427/best-practice-for-embedding-arbitrary-json-in-the-dom |
| EMBEDD JSON: |
| <script type="application/json" id="stuff">  {  "unicorns": "awesome",  "abc": [1, 2, 3]  }  </script> |
| GET JSON: |
| var stuff = JSON.parse(document.getElementById('stuff').innerHTML); |

|  |
| --- |
| Full HTML example: |
| <!DOCTYPE html>  <html>  <body>  <h2>Create Object from JSON String</h2>  <p id="demo"></p>  <script type="application/json" id="stuff">  {  "unicorns": "awesome",  "abc": [1, 2, 3]  }  </script>  <script>  obj = JSON.parse(document.getElementById('stuff').innerHTML);  document.getElementById("demo").innerHTML = obj.unicorns;  </script>  </body>  </html> |

|  |
| --- |
| Mock info I will use for testing service: GET: /v1/test/start http://localhost:8080/Nexient-TestingService-0.0.1-SNAPSHOT/v1/test/start?token=testing |
| <script type="application/json" id="embeddedJSON\_01">  {  "candidate": {  "first\_name": "John",  "last\_name": "Doe"  },  "questions": [  {  "answers": [  {  "text": "Compare the strings case-sensitive and return true if they are the same sequence of characters.",  "answer\_id": 1  },  {  "text": "Compare the object references of the strings to see if they are identical.",  "answer\_id": 2  },  {  "text": "Compare the strings case-insensitive and return true if they are the same sequence of characters.",  "answer\_id": 3  }  ],  "skill\_level": "TWO",  "text": "When comparing two String variables, what will the <snippet>==</snippet> operator do?",  "question\_id": 1,  "type": "SINGLE\_ANSWER"  },  {  "answers": [  {  "text": "<snippet>value: 2</snippet>",  "answer\_id": 4  },  {  "text": "<snippet>value: 0</snippet>",  "answer\_id": 5  },  {  "text": "<snippet>value: 1</snippet>",  "answer\_id": 6  }  ],  "skill\_level": "ONE",  "text": "What is the output of this code segment?<code> int i = 0;System.out.println(\"value: \" + i++);</code>",  "question\_id": 2,  "type": "SINGLE\_ANSWER"  },  {  "answers": [  {  "text": "<snippet>String strNew = new String(\"hey\");</snippet>",  "answer\_id": 7  },  {  "text": "<snippet>String strNew = new String();</snippet>",  "answer\_id": 8  },  {  "text": "<snippet>String strNew = 'hello';</snippet>",  "answer\_id": 9  },  {  "text": "<snippet>String strNew = \"hello\";</snippet>",  "answer\_id": 10  }  ],  "skill\_level": "THREE",  "text": "Which are valid ways to create a new string Object?",  "question\_id": 3,  "type": "MULTIPLE\_ANSWER"  },  {  "answers": [  {  "text": "Any class in the project.",  "answer\_id": 11  },  {  "text": "Any class in the same package.",  "answer\_id": 12  },  {  "text": "Only the classes within the defined security specification.",  "answer\_id": 13  },  {  "text": "Any subclass of the class it is contained in.",  "answer\_id": 14  },  {  "text": "Only the class it is contained in.",  "answer\_id": 15  }  ],  "skill\_level": "THREE",  "text": "Given a method <snippet>protected void foo()</snippet>, which classes will have access to it?",  "question\_id": 4,  "type": "MULTIPLE\_ANSWER"  },  {  "answers": [  {  "text": "The value of a variable of type int is undetermined.",  "answer\_id": 16  },  {  "text": "The value of all variables which are references is null.",  "answer\_id": 17  },  {  "text": "A variable of type String will denote the empty String (\"\")",  "answer\_id": 18  },  {  "text": "The value of a variable of any numeric type is zero.",  "answer\_id": 19  }  ],  "skill\_level": "TWO",  "text": "Which statements are true about the value of a variable, when no explicit assignments have been made?",  "question\_id": 5,  "type": "MULTIPLE\_ANSWER"  },  {  "answers": [  {  "text": "Interfaces, parent",  "answer\_id": 20  },  {  "text": "Parents, interface",  "answer\_id": 21  },  {  "text": "Children, parent",  "answer\_id": 22  },  {  "text": "None of these.",  "answer\_id": 23  },  {  "text": "Interfaces, child",  "answer\_id": 24  }  ],  "skill\_level": "TWO",  "text": "In Java's object model, a class can have multiple \_\_\_\_\_\_ but only a single direct \_\_\_\_\_\_",  "question\_id": 6,  "type": "SINGLE\_ANSWER"  },  {  "answers": [  {  "text": "An object is deleted as soon as there are no more references that denote the object.",  "answer\_id": 25  },  {  "text": "The <snippet>finalize()</snippet> method will eventually be called on every object.",  "answer\_id": 26  },  {  "text": "An object will not be garbage collected as long as it is possible for a thread to access it through a reference.",  "answer\_id": 27  },  {  "text": "The <snippet>finalize()</snippet> method will never be called more than once on an object.",  "answer\_id": 28  }  ],  "skill\_level": "FOUR",  "text": "Which statements describe guaranteed behavior of the garbage collection and finalization mechanisms?",  "question\_id": 7,  "type": "MULTIPLE\_ANSWER"  },  {  "answers": [  {  "text": "Local classes can be declared static.",  "answer\_id": 29  },  {  "text": "Classes declared as members of top-level classes can be declared static.",  "answer\_id": 30  },  {  "text": "Top-level classes can be declared static.",  "answer\_id": 31  },  {  "text": "Anonymous classes can be declared static.",  "answer\_id": 32  },  {  "text": "NO classes can be declared static.",  "answer\_id": 33  }  ],  "skill\_level": "FOUR",  "text": "Which statement is true about static classes?",  "question\_id": 8,  "type": "SINGLE\_ANSWER"  },  {  "answers": [  {  "text": "All fields in a nested class must be declared final.",  "answer\_id": 34  },  {  "text": "No static members (except final static fields) can be declared within a non-static member class.",  "answer\_id": 35  },  {  "text": "All nested classes can be declared static.",  "answer\_id": 36  },  {  "text": "Anonymous classes cannot have constructors.",  "answer\_id": 37  },  {  "text": "An instance of nested class can be considered an <snippet>instanceof</snippet> the outer class",  "answer\_id": 38  }  ],  "skill\_level": "FOUR",  "text": "Which statements are true about nested classes?",  "question\_id": 9,  "type": "MULTIPLE\_ANSWER"  },  {  "answers": [  {  "text": "A Foo has a Bar.",  "answer\_id": 39  },  {  "text": "A Bar is a Baz.",  "answer\_id": 40  },  {  "text": "A Baz has a Bar.",  "answer\_id": 41  },  {  "text": "A Foo is a Baz.",  "answer\_id": 42  },  {  "text": "A Baz is a Foo.",  "answer\_id": 43  }  ],  "skill\_level": "THREE",  "text": "Which statements are true about the relationships between the following classes?<code>class Foo {int num;Baz comp = new Baz();}class Bar {boolean flag;}class Baz extends Foo {Bar thing = new Bar();double limit;}</code>",  "question\_id": 10,  "type": "MULTIPLE\_ANSWER"  },  {  "answers": [  {  "text": "Objects can be destroyed by explicitly calling the <snippet>finalize()</snippet> method.",  "answer\_id": 44  },  {  "text": "All objects have a <snippet>finalize()</snippet> method.",  "answer\_id": 45  },  {  "text": "The compiler will fail to compile code that defines an overriding <snippet>finalize()</snippet> method",  "answer\_id": 46  },  {  "text": "The <snippet>finalize()</snippet> method can be declared with any accessibility.",  "answer\_id": 47  }  ],  "skill\_level": "FIVE",  "text": "Which statement is true about the <snippet>finalize()</snippet> method?",  "question\_id": 11,  "type": "SINGLE\_ANSWER"  },  {  "answers": [  {  "text": "A method declaring that it throws a certain exception class may throw instances of any subclass of that exception class.",  "answer\_id": 48  },  {  "text": "An overriding method must declare that it throws the same exception classes as the method it overrides.",  "answer\_id": 49  },  {  "text": "Finally blocks are only executed if an exception gets thrown while inside the corresponding try block.",  "answer\_id": 50  },  {  "text": "If an exception is not caught in a method, the method will terminate and normal execution will resume.",  "answer\_id": 51  }  ],  "skill\_level": "FOUR",  "text": "Which statements are true about Java Exceptions?",  "question\_id": 12,  "type": "SINGLE\_ANSWER"  },  {  "answers": [  {  "text": "THe program will compile without error and will run and terminate without any output.",  "answer\_id": 52  },  {  "text": "The code will fail to compile because <snippet>main()</snippet> does not declare that it throws a <snippet>RuntimeException</snippet>",  "answer\_id": 53  },  {  "text": "The program will compile without error and will throw a <snippet>NullPointerException</snippet> when run.",  "answer\_id": 54  },  {  "text": "The program will fail to compile, since it cannot throw <snippet>exception</snippet>.",  "answer\_id": 55  },  {  "text": "The program will compile without error and will throw a <snippet>RuntimeException</snippet> when run.",  "answer\_id": 56  }  ],  "skill\_level": "FOUR",  "text": "What will be the result of attempting to compile and run the following program?<code>public class MyClass {public static void main(String[] args) {RuntimeException exception = null;throw exception;}}</code> ",  "question\_id": 13,  "type": "SINGLE\_ANSWER"  },  {  "answers": [  {  "text": "<snippet>IntExpt Finally DONE</snippet>",  "answer\_id": 57  },  {  "text": "<snippet>IntExpt RuntimeExpt Finally DONE</snippet>",  "answer\_id": 58  },  {  "text": "<snippet>IntExpt Finally</snippet>",  "answer\_id": 59  },  {  "text": "<snippet>IntExpt RuntimeExpt Expt</snippet>",  "answer\_id": 60  },  {  "text": "<snippet>DONE</snippet>",  "answer\_id": 61  }  ],  "skill\_level": "THREE",  "text": "What will the output of this program be?<code>public class InterruptedException extends Exception {}public class MyClass { static void function() throws InterruptedException {throw new InterruptedException(\"All your base.\");}public static void main(String[] args) {try{function();} catch (InterruptedException e) {System.out.print(\"IntExpt \");throw new RuntimeException();} catch (RuntimeException e) {System.out.print(\"RuntimeExpt \");return;} catch (Exception e) {System.out.print(\"Expt \");} finally {System.out.print(\"Finally \");}System.out.print(\"DONE\");}}</code>",  "question\_id": 14,  "type": "SINGLE\_ANSWER"  },  {  "answers": [  {  "text": "Multiple threads can hold the same lock at the same time.",  "answer\_id": 62  },  {  "text": "Invoking wait() on a Thread object will relinquish all locks held by the thread.",  "answer\_id": 63  },  {  "text": "A thread can hold more than one lock at a time.",  "answer\_id": 64  }  ],  "skill\_level": "FIVE",  "text": "Which statements are true about thread locks?",  "question\_id": 15,  "type": "MULTIPLE\_ANSWER"  },  {  "answers": [  {  "text": "The thread is waiting for some condition as a result of a wait() call.",  "answer\_id": 65  },  {  "text": "The execution has reached the end of the run() method.",  "answer\_id": 66  },  {  "text": "The thread does not have the highest priority and is currently not executing.",  "answer\_id": 67  },  {  "text": "The thread is sleeping as a result of a call to the sleep() method.",  "answer\_id": 68  }  ],  "skill\_level": "FOUR",  "text": "Which of these are reasons why a thread might be alive but not running?",  "question\_id": 16,  "type": "MULTIPLE\_ANSWER"  },  {  "answers": [  {  "text": "<snippet>super.super.doIt()</snippet>",  "answer\_id": 69  },  {  "text": "<snippet>this.super.doIt()</snippet>",  "answer\_id": 70  },  {  "text": "It is not possible.",  "answer\_id": 71  },  {  "text": "<snippet>doIt()</snippet>",  "answer\_id": 72  },  {  "text": "<snippet>super.doIt()</snippet>",  "answer\_id": 73  }  ],  "skill\_level": "THREE",  "text": "Given the following class structure:<code>class One {void doIt() {}}class Two extends One {void doIt() {}}class Three extends Two {void doIt() {}}</code>How can the <snippet>doIt()</snippet> method in class One be called from class Three?",  "question\_id": 17,  "type": "SINGLE\_ANSWER"  },  {  "answers": [  {  "text": "If neither <snippet>super()</snippet> nor <snippet>this()</snippet> is declared as the first statement in the body of a constructor, then <snippet>this()</snippet> will implicitly be inserted as the first statement.",  "answer\_id": 74  },  {  "text": "If neither a subclass nor its superclass have any declared constructors, the implicit default constructor of the subclass will call <snippet>super()</snippet> when run.",  "answer\_id": 75  },  {  "text": "If <snippet>super()</snippet> is the first statement in the body of a constructor, then <snippet>this()</snippet> can be declared as the second statement.",  "answer\_id": 76  }  ],  "skill\_level": "THREE",  "text": "Which statement is true about constructors?",  "question\_id": 18,  "type": "SINGLE\_ANSWER"  },  {  "answers": [  {  "text": "<snippet>java.util.List</snippet>",  "answer\_id": 77  },  {  "text": "<snippet>java.util.Map</snippet>",  "answer\_id": 78  },  {  "text": "None of these",  "answer\_id": 79  },  {  "text": "<snippet>java.util.Set</snippet>",  "answer\_id": 80  },  {  "text": "<snippet>java.util.Iterable</snippet>",  "answer\_id": 81  }  ],  "skill\_level": "ONE",  "text": "When creating a class that associates a set of keys with a set of values, which of these interfaces is most applicable?",  "question\_id": 19,  "type": "SINGLE\_ANSWER"  },  {  "answers": [  {  "text": "<snippet>collectOne.retainAll(collectTwo)</snippet> will NOT modify <snippet>collectOne.</snippet>",  "answer\_id": 82  },  {  "text": "<snippet>collectOne.containsAll(collectTwo)</snippet> WILL modify <snippet>collectOne</snippet>.",  "answer\_id": 83  },  {  "text": "<snippet>collectOne.addAll(collectTwo)</snippet> will return a new collection containing elements from both <snippet>collectOne</snippet> and <snippet>collectTwo.</snippet>",  "answer\_id": 84  },  {  "text": "<snippet>collectOne.removeAll(collectTwo)</snippet> will NOT modify <snippet>collectTwo.</snippet>",  "answer\_id": 85  }  ],  "skill\_level": "THREE",  "text": "Given two collection objects <snippet>collectOne</snippet> and <snippet>collectTwo</snippet>, which statements are true?",  "question\_id": 20,  "type": "SINGLE\_ANSWER"  },  {  "answers": [  {  "text": "<code>PrepareStatement pstmt = connection.prepareStatement(\"countRecs()\");pstmt.execute();</code>",  "answer\_id": 86  },  {  "text": "<code>Statement stmt = connection.createStatement();stmt.executeStoredProcedure(\"countRecs()\");</code>",  "answer\_id": 87  },  {  "text": "<code>CallableStatement cs = con.prepareCall(\"{call COUNTRECS}\");cs.executeQuery();</code>",  "answer\_id": 88  },  {  "text": "<code>StoreProcedureStatement spstmt = connection.createStoreProcedure(\"countRecs()\");spstmt.executeQuery();</code>",  "answer\_id": 89  },  {  "text": "<code>Statement stmt = connection.createStatement();stmt.execute(\"COUNTRECS()\");</code>",  "answer\_id": 90  }  ],  "skill\_level": "FIVE",  "text": "Which code segment could execute the stored procedure \"countRecs()\" located in a database server?",  "question\_id": 21,  "type": "SINGLE\_ANSWER"  },  {  "answers": [  {  "text": "<snippet>java.util.List</snippet>",  "answer\_id": 91  },  {  "text": "<snippet>java.util.Collection</snippet>",  "answer\_id": 92  },  {  "text": "<snippet>java.util.Set</snippet>",  "answer\_id": 93  },  {  "text": "None of these",  "answer\_id": 94  },  {  "text": "<snippet>java.util.Comparable</snippet>",  "answer\_id": 95  }  ],  "skill\_level": "THREE",  "text": "You need to store elements in a collection that guarantees that no duplicates are stored. Which one of the following interfaces provide that capability?",  "question\_id": 22,  "type": "SINGLE\_ANSWER"  },  {  "answers": [  {  "text": "Only the garbage collection system can destroy an object.",  "answer\_id": 96  },  {  "text": "<snippet>x.delete()</snippet>",  "answer\_id": 97  },  {  "text": "<snippet>x.finalize()</snippet>",  "answer\_id": 98  },  {  "text": "<snippet>Runtime.getRuntime().gc()</snippet>",  "answer\_id": 99  }  ],  "skill\_level": "FOUR",  "text": "What allows the programmer to destroy an object x?",  "question\_id": 23,  "type": "SINGLE\_ANSWER"  },  {  "answers": [  {  "text": "<snippet>true true</snippet>",  "answer\_id": 100  },  {  "text": "<snippet>false false</snippet>",  "answer\_id": 101  },  {  "text": "<snippet>true false</snippet>",  "answer\_id": 102  },  {  "text": "<snippet>false true</snippet>",  "answer\_id": 103  }  ],  "skill\_level": "TWO",  "text": "What will be the output of this program?<code>class Test { public static void main(String [] args) { Test instance = new Test(); instance.start(); } void start() { boolean boolOne = false; boolean boolTwo = fix(boolOne); System.out.println(boolOne + \" \" + boolTwo); } boolean fix(boolean value) { value = true; return value; }}</code>",  "question\_id": 24,  "type": "SINGLE\_ANSWER"  },  {  "answers": [  {  "text": "<code>abstract class Class2 implements Base {}</code>",  "answer\_id": 104  },  {  "text": "<code>abstract class Class2 implements Base { public boolean methodOne() { return (4 &gt; 7); }}</code> ",  "answer\_id": 105  },  {  "text": "<code>abstract class Class2 implements Base { protected boolean methodOne() { return (4 - 7); }}</code> ",  "answer\_id": 106  },  {  "text": "<code>abstract class Class2 extends Base { public boolean methodOne() { return true; }}</code>",  "answer\_id": 107  },  {  "text": "<code>interface Base2 implements Base {}</code>",  "answer\_id": 108  }  ],  "skill\_level": "TWO",  "text": "Given the two code fragments, which two code fragments will compile?<code>interface Base { boolean methodOne(); byte methodTwo(short value);}</code>",  "question\_id": 25,  "type": "MULTIPLE\_ANSWER"  },  {  "answers": [  {  "text": "<snippet>protected abstract void methodName();</snippet>",  "answer\_id": 109  },  {  "text": "<snippet>static final void methodName() {}</snippet>",  "answer\_id": 110  },  {  "text": "<snippet>private abstract void methodName();</snippet>",  "answer\_id": 111  },  {  "text": "<snippet>synchronized public final void methodName() {}</snippet>",  "answer\_id": 112  }  ],  "skill\_level": "TWO",  "text": "Which of the following are legal method declarations?",  "question\_id": 26,  "type": "MULTIPLE\_ANSWER"  },  {  "answers": [  {  "text": "<snippet>return a;</snippet>",  "answer\_id": 113  },  {  "text": "<snippet>return a + b;</snippet>",  "answer\_id": 114  },  {  "text": "<snippet>return a - b;</snippet>",  "answer\_id": 115  },  {  "text": "<snippet>return a ^ b;</snippet>",  "answer\_id": 116  },  {  "text": "<snippet>return 0;</snippet>",  "answer\_id": 117  }  ],  "skill\_level": "THREE",  "text": "Given the following class, which are correct implementations of the hashCode() method?<code>class ValuePair { public int a, b; public boolean equals(Object obj) { if (!obj instanceof ValuePair) { return false; } return (this.a == that.a &amp;&amp; this.b == that.b) || (this.a == that.b &amp;&amp; this.b == that.a); } public int hashCode() { <strong>// Provide implementation here.</strong> }}</code>",  "question\_id": 27,  "type": "MULTIPLE\_ANSWER"  },  {  "answers": [  {  "text": "A finally block must always follow one or more catch blocks.",  "answer\_id": 118  },  {  "text": "A catch block cannot follow a finally block.",  "answer\_id": 119  },  {  "text": "An empty catch block is not allowed.",  "answer\_id": 120  },  {  "text": "A try block cannot be followed by both a catch and a finally block.",  "answer\_id": 121  }  ],  "skill\_level": "THREE",  "text": "What in the following code would cause an error?<code>class MyException extends Exception {}public class ClassName { public void foo() { try { bar(); } finally { baz(); } catch (MyException e) {} } public void bar() throws MyException { throw new MyException(); } public void baz() throws RuntimeException { throw new RuntimeException(); }}</code>",  "question\_id": 28,  "type": "SINGLE\_ANSWER"  },  {  "answers": [  {  "text": "The constructor in class <snippet>One</snippet> that takes an int will never be calledby creating an object of class <snippet>Two</snippet> or <snippet>Three</snippet>.",  "answer\_id": 122  },  {  "text": "No more than one constructor of each class would be called by creating an object of class <snippet>Three</snippet>.",  "answer\_id": 123  },  {  "text": "The code will fail to compile.",  "answer\_id": 124  },  {  "text": "Objects of class <snippet>Two</snippet> cannot be created.",  "answer\_id": 125  }  ],  "skill\_level": "THREE",  "text": "Which statements are true about the following code?<code>class One { public One() { } public One(int i) { this(); }}class Two extends One { public boolean Two(String msg) { return false; }}class Three extends Two { private Three() { super(); } public Three(String msg) { this(); } public Three(int i) { }}</code>",  "question\_id": 29,  "type": "SINGLE\_ANSWER"  },  {  "answers": [  {  "text": "<snippet>c = c;</snippet>",  "answer\_id": 126  },  {  "text": "<snippet>c = b;</snippet>",  "answer\_id": 127  },  {  "text": "<snippet>c = this.b;</snippet>",  "answer\_id": 128  },  {  "text": "<snippet>c = this.a;</snippet>",  "answer\_id": 129  }  ],  "skill\_level": "THREE",  "text": "Given the following code:<code>public class MyClass { int a = 1; int b = 1; int c = 1; class Inner { int a = 2; int get() { int c = 3; <strong>// Insert statement here.</strong> return c; } } MyClass() { Inner i = new Inner(); System.out.println(i.get()); } public static void main(String[] args) { new MyClass(); }}</code>Which statements can be inserted at the indicated position to make the program print <snippet>1</snippet> when executed?",  "question\_id": 30,  "type": "SINGLE\_ANSWER"  },  {  "answers": [  {  "text": "Execution proceeds normally and produces no output.",  "answer\_id": 130  },  {  "text": "An IndexOutofBoundsException is thrown.",  "answer\_id": 131  },  {  "text": "An AssertionError with the message \"container\" is thrown.",  "answer\_id": 132  },  {  "text": "An AssertionError with the message \"size\" is thrown.",  "answer\_id": 133  },  {  "text": "An AssertionError with the message \"element\" is thrown.",  "answer\_id": 134  },  {  "text": "An AssertionError with the message \"empty\" is thrown.",  "answer\_id": 135  }  ],  "skill\_level": "FIVE",  "text": "What will be the result of executing the following program code with assertions enabled?<code>import java.util.\*;public class MyClass { public static void main(String[] args) { LinkedList listOne = new LinkedList(); LinkedList listTwo = new LinkedList(); assert listOne.size() == listTwo.size() : \"empty\"; lla.add(\"Hello\"); assert listOne.size() == 1 : \"size\"; llb.add(\"Hello\"); assert listTwo.contains(\"Hello\") : \"contains\"; assert listOne.get(0).equals(listTwo.get(0)) : \"element\"; assert listOne.equals(listTwo) : \"collection\"; }}</code>",  "question\_id": 31,  "type": "SINGLE\_ANSWER"  },  {  "answers": [  {  "text": "The constructor is trying to use static field a before it has been initialized.",  "answer\_id": 136  },  {  "text": "The constructor is trying to use local variable c before it has been initialized.",  "answer\_id": 137  },  {  "text": "The code will compile and run successfully.",  "answer\_id": 138  },  {  "text": "The constructor is trying to use field b before it has been initialized.",  "answer\_id": 139  },  {  "text": "The constructor is trying to access static members.",  "answer\_id": 140  }  ],  "skill\_level": "FOUR",  "text": "Why could this code fail to compile?<code>public class ClassName { static int a; int b; public Q275d() { int c; c = a; a++; b += c; } public static void main(String[] args) { new ClassName(); }}</code>",  "question\_id": 32,  "type": "SINGLE\_ANSWER"  },  {  "answers": [  {  "text": "<snippet>18 </snippet>",  "answer\_id": 141  },  {  "text": "<snippet>27 </snippet>",  "answer\_id": 142  },  {  "text": "<snippet>-12</snippet>",  "answer\_id": 143  },  {  "text": "<snippet>8 </snippet>",  "answer\_id": 144  },  {  "text": "<snippet>12 </snippet>",  "answer\_id": 145  }  ],  "skill\_level": "THREE",  "text": "What will be written to the standard output when the following program is executed?<code>public class MyClass { public static void main(String[] args) { double d = -2.9; int i = (int) d; i \*= (int) Math.ceil(d); i \*= (int) Math.abs(d); System.out.println(i); }}</code>",  "question\_id": 33,  "type": "SINGLE\_ANSWER"  }  ],  "skill\_name": "Java Proficiency Evaluation",  "token": "testing",  "started": 1441982598207  }  </script> |

Mock info for testing:

|  |
| --- |
| /v1/test/confirm  http://localhost:8080/Nexient-TestingService-0.0.1-SNAPSHOT/v1/test/confirm?token=testing |
| {  "candidate": {  "first\_name": "John",  "last\_name": "Doe"  },  "skill\_name": "Java Proficiency Evaluation",  "token": "testing"  } |

ng-init using a function!

Pushing to two repos at the same time??  
<http://stackoverflow.com/questions/5181845/git-push-existing-repo-to-a-new-and-different-remote-repo-server>

Keep looking into it.  
Mirroring a git repository may be your answer.

Covers pushing two multiple remotes:  
<http://stackoverflow.com/questions/14290113/git-pushing-code-to-two-remotes>

|  |
| --- |
| Tried this: git remote set-url --add --push origin git://original/repo.git  git remote set-url --add --push origin git://another/repo.git From: <http://stackoverflow.com/questions/14290113/git-pushing-code-to-two-remotes>  Turned out to replace the original url.I can't have two remote URLS. SAFETY SCREENSHOT as I try to restore the original openshift remote. |
|  |

WEIRD! The overwrite happened only once.  
When I tried restore using :  
**$ git remote set-url --add --push origin ssh://55e4598189f5cfcf3c000008@j1clone01-madnamespace.rhcloud.com/~/git/j1clone01.git/**  
I got the result I wanted:

|  |
| --- |
| $ git remote -v  origin ssh://55e4598189f5cfcf3c000008@j1clone01-madnamespace.rhcloud.com/~/git/j1clone01.git/ (fetch)  origin https://github.com/JMadisonAtNexientDotCom/j.git (push)  origin ssh://55e4598189f5cfcf3c000008@j1clone01-madnamespace.rhcloud.com/~/git/j1clone01.git/ (push) |

Mime type problems:  
**http://stackoverflow.com/questions/16473610/internet-explorer-css-was-ignored-due-to-mime-type-mismatch-on-local-files-no**  
I was using Tomcat and JSP. I had to put : **<%@page contentType="text/css" %>** at the top of the CSS file and then tomcat serves it as a CSS mimetype.

Incorrect mimetype can probably be solved by loading the style sheets using JQUERY.  
<http://stackoverflow.com/questions/3913359/how-to-load-css-using-jquery>

JQ.onReady('show', function(){

JQ.addStyles({styles: ["STYLE\_INFO\_HERE"]});

});

|  |
| --- |
| Tried this, did NOT circumvent mimetype: |
| <script>  $( document ).ready(function() {  $("<link/>", {  rel: "stylesheet",  type: "text/css",  href: "https://raw.githubusercontent.com/JMadisonAtNexientDotCom/j/SPRING\_REST\_START\_01/src/main/webapp/jsLib/css/components/loading\_spinner.css"  }).appendTo("head");  });//EXECUTE WHEN DOCUMENT READY:  </script> |

Jquery.parseHtml + inlined css style sheet?  
<http://api.jquery.com/jquery.parsehtml/>

|  |
| --- |
| Parses CSS with custom tags in it: ParseCss.Jquery: More Advanced than what I want. |
| http://bililite.com/blog/2009/01/16/jquery-css-parser/ <http://bililite.com/blog/blogfiles/cssparser/cssparsertest.php> |

|  |
| --- |
| It thought this wouldwork. Did not. |
| //http://www.w3schools.com/angular/tryit.asp?filename=try\_ng\_intro\_controller  var app = angular.module('myApp', ['angularSpinners'])    //http://forum.ionicframework.com/t/http-no-access-control-allow-origin-problem-on-post/5625  .config(['$httpProvider', function($httpProvider) {  $httpProvider.defaults.useXDomain = true;  $httpProvider.defaults.headers.common = 'Content-Type: application/json';  delete $httpProvider.defaults.headers.common['X-Requested-With'];  }]);//.config::END |

Bootstrap == good idea.  
<http://getbootstrap.com/css/#forms-controls>

2:11PM and I finally decided on a workflow.  
1. Style sheet is hosted on github, using jquery to circumvent mimetype problems.  
2. Using Mock data for api calls when in development mode since cross-site scripting is not allowed.  
  
using CORS:  
Do/Read this tutorial so you can figure out cross-domain api calls in angular:  
[**http://www.html5rocks.com/en/tutorials/cors/**](http://www.html5rocks.com/en/tutorials/cors/)

|  |
| --- |
|  |

What is this "json p" thing?  
https://learn.jquery.com/ajax/working-with-jsonp/  
  
If there is another way, I would like to NOT use JSONP (json with padding):  
<http://json-jsonp-tutorial.craic.com/index.html>

|  |
| --- |
| CORS using ANGULARjs JSON: This is an option, make sure server response has this in the header: http://stackoverflow.com/questions/23823010/how-to-enable-cors-in-angularjs |
| Access-Control-Allow-Headers: Content-Type  Access-Control-Allow-Methods: GET, POST, OPTIONS  Access-Control-Allow-Origin: \* |
| Where "\*" could be all of the domains allowed access to the rest api. |

Here is your answer with JERSEY:  
http://www.codingpedia.org/ama/how-to-add-cors-support-on-the-server-side-in-java-with-jersey/  
You could make a proxy server this way.

|  |
| --- |
| @GET  @Path("{id}")  @Produces({ MediaType.APPLICATION\_JSON, MediaType.APPLICATION\_XML })  public Response getPodcastById(@PathParam("id") Long id, @QueryParam("detailed") boolean detailed)  throws IOException, AppException {  Podcast podcastById = podcastService.getPodcastById(id);  return Response.ok() //200  .entity(podcastById, detailed ? new Annotation[]{PodcastDetailedView.Factory.get()} : new Annotation[0])  .header("Access-Control-Allow-Origin", "\*")  .header("Access-Control-Allow-Methods", "GET, POST, DELETE, PUT")  .allow("OPTIONS").build();  } |

Put @CrossOrigin on top of HTTP service in spring to enable cross origin api access.  
<https://spring.io/blog/2015/06/08/cors-support-in-spring-framework>  
  
Criteria : setMaxResults()  
This is what Ineed to limit results... But what about being random?  
Dont worry about being random. Random is sort of stupid for possible answers.  
Because it would make the correct answer probably super obvious.  
  
Eventually you want a mechanism where you have a RiddleRhyme\_FAKER table.  
Where the test writer will put answers that SOUND correct for a given question but are not.

Looks like "list" is better to use that "arrayList" unless you have a specific reason why you want to use "arrayList"