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Baseline

GBL
Answer Repository
Software System

Contract No: 123456

Prepared for:

Global Business Logisitics
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1.0 Introduction

1.1 Red Menace Software Solutions is proud to present to you the initial iteration of development of the GBL Repository program. With the program, in its current state, you will be able to log in and search for answers to RFP questions by category, keyword, phrase, keyword within a category, and phrase within a category. When you are finished using the program, you may quit or log out.

2.0 Requirements Addressed

2.1 User Story: *"As an analyst I want to browse answers by category."* **YES**. With GBL Repository, the user (analyst) has a drop-down menu from which they may choose a category. When a category is chosen, every answer that is associated with that category is displayed in the text box on the right side of the program window.

2.2 User Story: *"As an analyst I want to be able to find answers within the repository by searching a phrase."* **YES.** With GBL Repository, the user has a search entry field that allows them to type in a question or to paste a question copied from an RFP. Once they have typed their question, they may hit carriage return or click on the "search" button. The answer(s) to the question will then be displayed in the text box on the right side of the program. If there is an answer to the question (when the category selected is "All") in the repository, then it will be displayed, otherwise the search looks for words or partial words within the search criteria and then searches among the keywords available for a potential match and displays those answers. If no answer exists, "0 results found will be displayed."

2.3 User Story: *"As an analyst I want to search for answers by keyword."* **YES.** GBL Repository allows the user to enter a keyword into the search entry field. Once they have typed in their keyword, they may hit carriage return or click on the "search" button. The answer(s) associated with the keyword (When the category selected is "All") will then be displayed in the text box on the right side of the program so long as the keyword is among those available to search. If the user only types in a partial keyword, then the answer(s) associated with that keyword will be displayed (for example, if the user types in "wo", the answer associated with the keyword "woman" will be displayed). If no answer exists, "0 results found will be displayed."

2.4 User Story: *"As an analyst I want to be able to search for a phrase within a category."* **YES.** GBL Repository allows the user to select a category and search for a phrase/question within that category. The user will first select a category from the drop-down menu. Next, type or paste a question from an RFP. Then, hit carriage return or click “search” and the answers associated with that question and that category will be displayed in the text box on the right. If there is not an exact match to the question, the search will look for partial or full keywords within the phrase and display those answers. If no answer exists, “0 results found will be displayed.”

2.5 User Story: *“As an analyst I want to be able to search for a keyword within a category.”* **YES.** GBL Repository allows the user to select a category and search for a keyword within that category. The user could first type a keyword in the search criteria field, and then by selecting a category, the answers associated with that keyword and category combination is displayed. They may alternately choose the category first, type in the keyword, and then press carriage return or click on the “search” button. As with searching for just a keyword, if a partial keyword is entered, then the answers associated with the full keyword is displayed.

2.6 User Story: *“As an analyst I want to copy and paste an answer to an RFP.”* **MOSTLY.** GBL Repository has a text panel that displays the answers to questions and those associated with categories and keywords. In that panel, the user can highlight the answer they want to copy, or highlight all of the text by hitting Ctrl-A. At this point, the only way to copy from the text panel is by the key combination Ctrl-C in Windows and Command-C on a Mac. Dependent on the text editor used by the analyst, they may then either use right-click > paste or the key command Ctrl-V in Windows and Command-V on a Mac to then paste the result into their proposal.

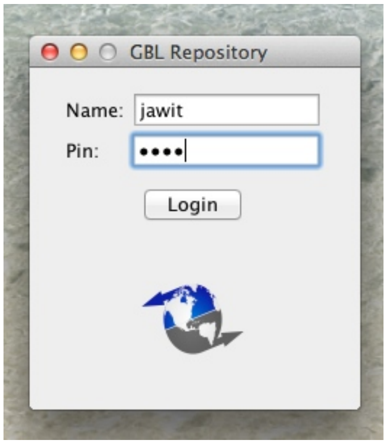
2.7 User Story: *“As a user I want to be able to log on the local device in the role of an analyst or an administrator.”* **MOSTLY.** When the user opens GBL Repository, the first pop-up window is the user login window. From here the user has the ability to login to the program. At this point, the analyst may login with access to the same functionality as the user, but the administrator has no special permissions or functionality.

2.7.1 Associated Business Rule: *“An incorrect username/pin combination should cause the log in to fail.”* **YES.**

3.0 How to Run the Program

3.1 First, open the folder labeled “GBL Jar.” In this folder, you will find a file named GBL.jar; you can double click the icon to initialize the software. It is very important you do not remove this file from the folder it is in or move any of the contents of the folder anywhere else, as it will render the program inoperable.

3.2 Next, you will need to provide a login and pin:

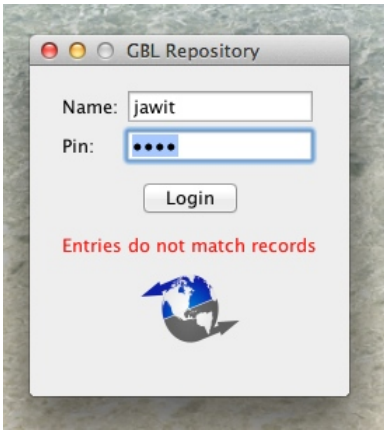


Name: jawit
Pin: ••••

Username: jawit

Pin: 7890

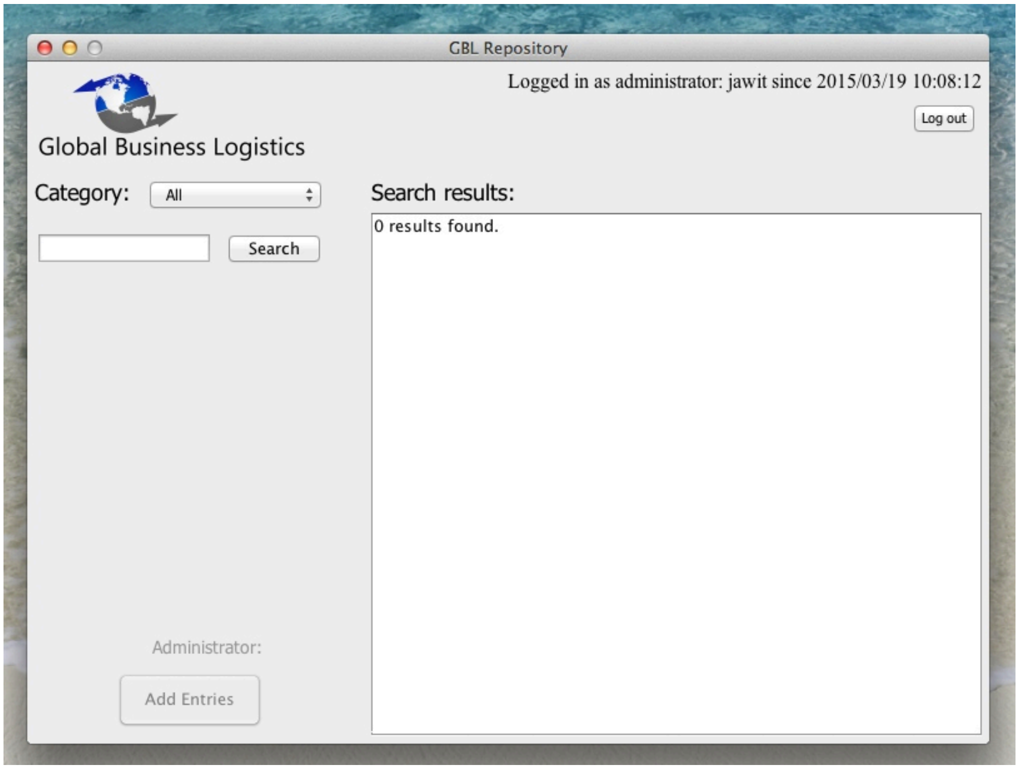
3.3 If you make a mistake, an error message will be displayed and allow you to try again.



Name: jawit
Pin: ••••

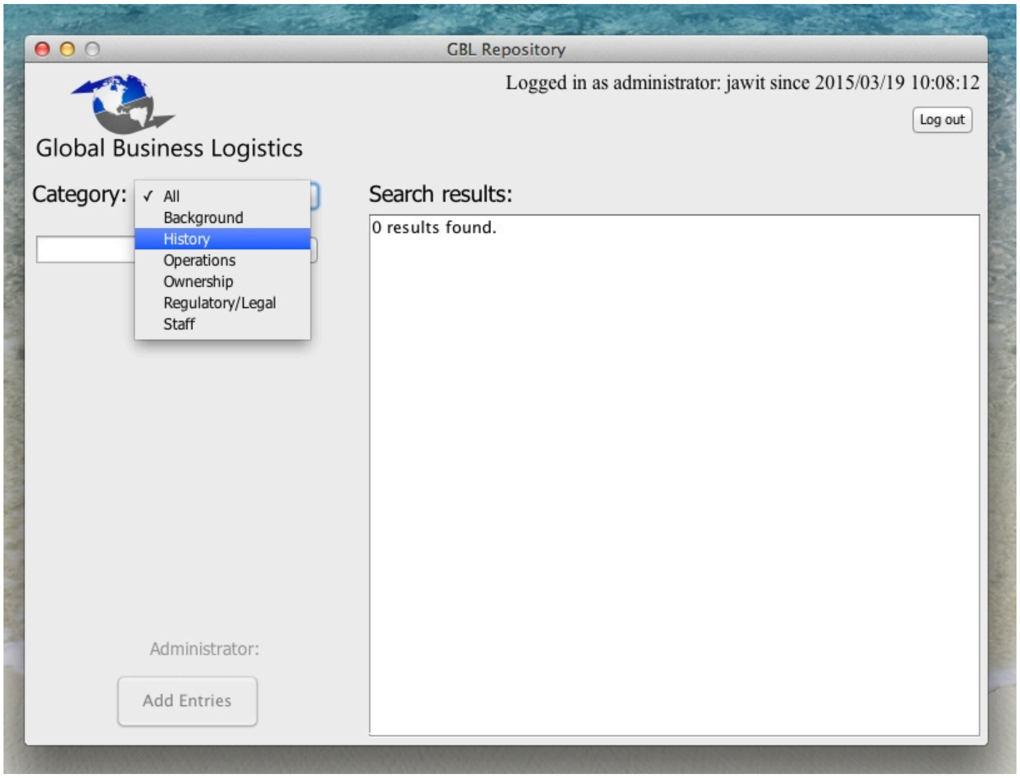
Entries do not match records

3.4 Once you have logged in, you will discover the simplicity of the layout of GBL Repository.


GBL Repository
Logged in as administrator: jawit since 2015/03/19 10:08:12
Log out
Global Business Logistics
Category:
All
Search
Administrator:
Add Entries
Search results:

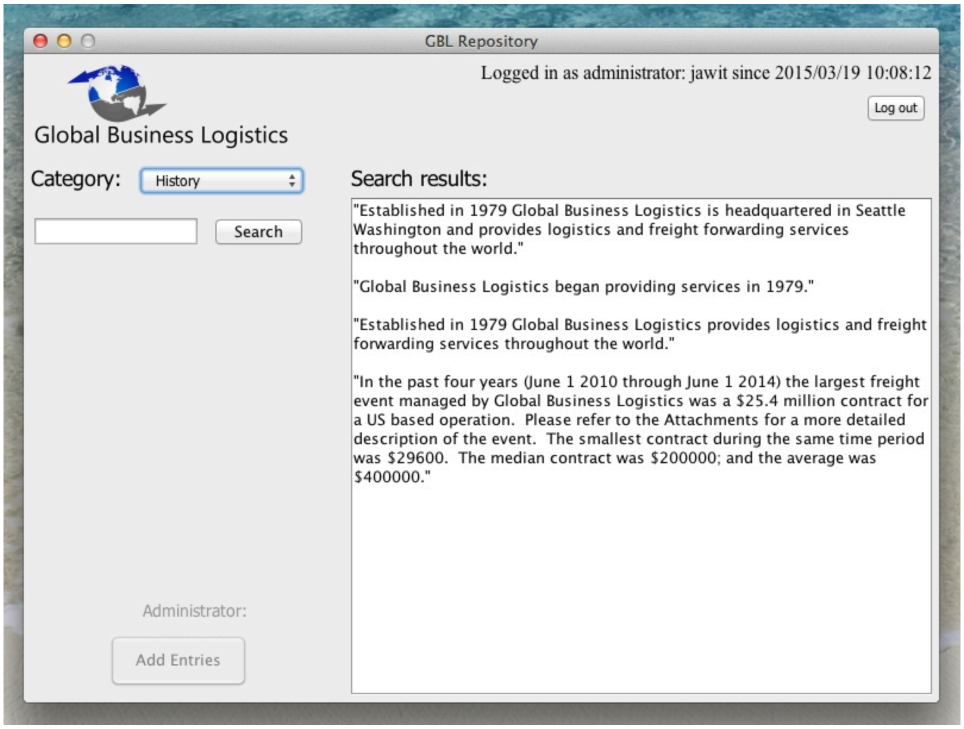
0 results found.

3.5 Where you see the word "Category," you can click on the drop-down menu to choose the category within which you would like to search.



0 results found.

3.6 The category search will display all the answers that are related to that category in the "Search results" panel.



Logged in as administrator: jawit since 2015/03/19 10:08:12

Category: History

Search results:

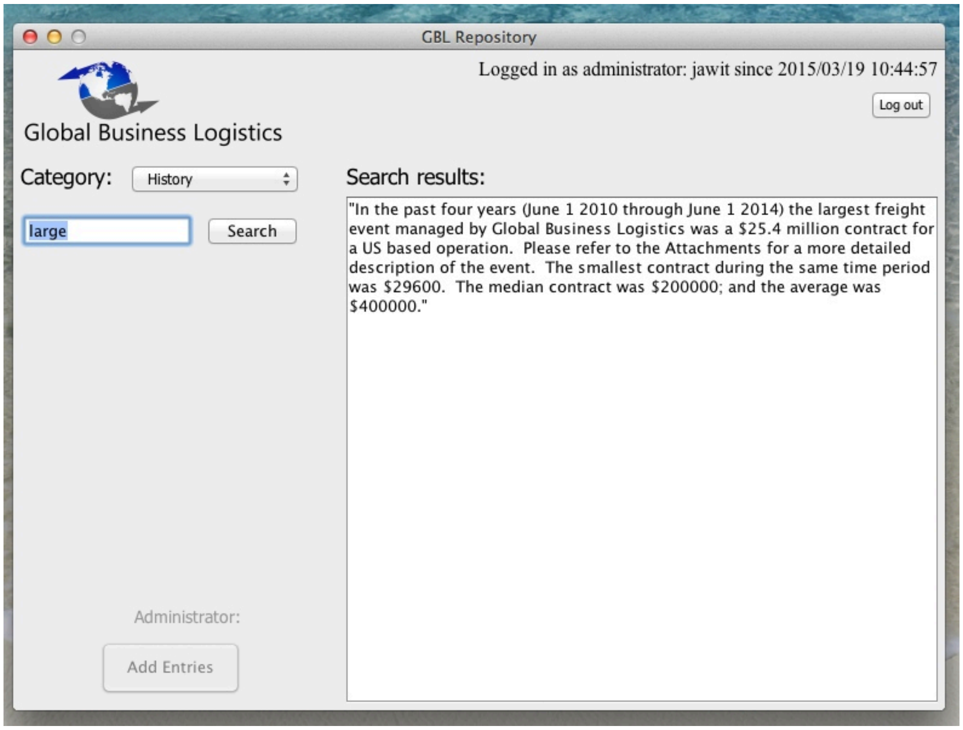
"Established in 1979 Global Business Logistics is headquartered in Seattle Washington and provides logistics and freight forwarding services throughout the world."

"Global Business Logistics began providing services in 1979."

"Established in 1979 Global Business Logistics provides logistics and freight forwarding services throughout the world."

"In the past four years (June 1 2010 through June 1 2014) the largest freight event managed by Global Business Logistics was a $25.4 million contract for a US based operation. Please refer to the Attachments for a more detailed description of the event. The smallest contract during the same time period was $29600. The median contract was $200000; and the average was $400000."

3.7 You may conduct a keyword search within a category to further narrow down your search. (Note: you may substitute "question" or "phrase" for a "keyword" during any of these instructions.)



Logged in as administrator: jawit since 2015/03/19 10:44:57

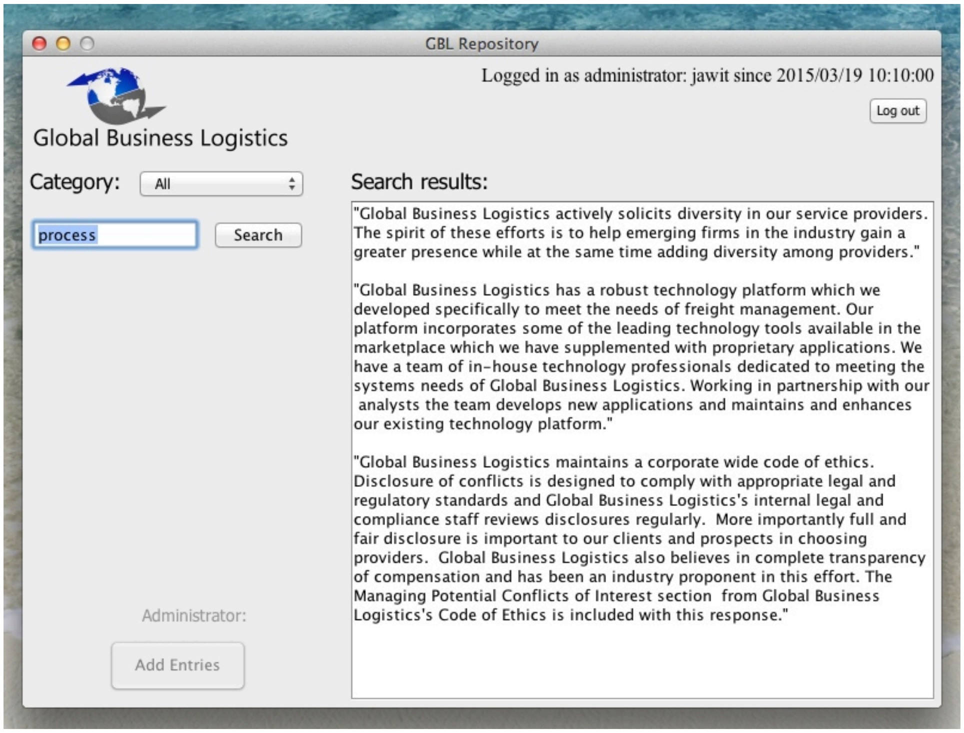
Category: History

large

Search results:

"In the past four years (June 1 2010 through June 1 2014) the largest freight event managed by Global Business Logistics was a $25.4 million contract for a US based operation. Please refer to the Attachments for a more detailed description of the event. The smallest contract during the same time period was $29600. The median contract was $200000; and the average was $400000."

3.8 Additionally, you may choose the category labeled "All" if you choose to search for a keyword amongst all possible answers.



Logged in as administrator: jawit since 2015/03/19 10:10:00

Category: All

process

Search results:

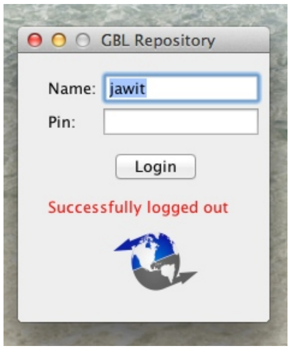
"Global Business Logistics actively solicits diversity in our service providers. The spirit of these efforts is to help emerging firms in the industry gain a greater presence while at the same time adding diversity among providers."

"Global Business Logistics has a robust technology platform which we developed specifically to meet the needs of freight management. Our platform incorporates some of the leading technology tools available in the marketplace which we have supplemented with proprietary applications. We have a team of in-house technology professionals dedicated to meeting the systems needs of Global Business Logistics. Working in partnership with our analysts the team develops new applications and maintains and enhances our existing technology platform."

"Global Business Logistics maintains a corporate wide code of ethics. Disclosure of conflicts is designed to comply with appropriate legal and regulatory standards and Global Business Logistics's internal legal and compliance staff reviews disclosures regularly. More importantly full and fair disclosure is important to our clients and prospects in choosing providers. Global Business Logistics also believes in complete transparency of compensation and has been an industry proponent in this effort. The Managing Potential Conflicts of Interest section from Global Business Logistics's Code of Ethics is included with this response."

3.9 The space highlighted in the above screen shot is where to enter your search criteria. Our code will search through the database of keywords, categories, questions, and answers to find what best matches your search input. When you find the answer you would like for your draft proposal, you simply need to highlight the text in the "Search results" panel and use the key combination Ctrl-C (Command-C for Mac) to copy the contents into the clipboard. You may now paste the clipboard contents into whatever text editor you have chosen to draft your proposal. Note: each answer in the "Search results" panel is surrounded by quotation marks to separate multiple answers.

3.10 When you are finished, you can click the “log out” button in the upper right corner to return to the login screen, which will allow you to log in again or log in as a different user.



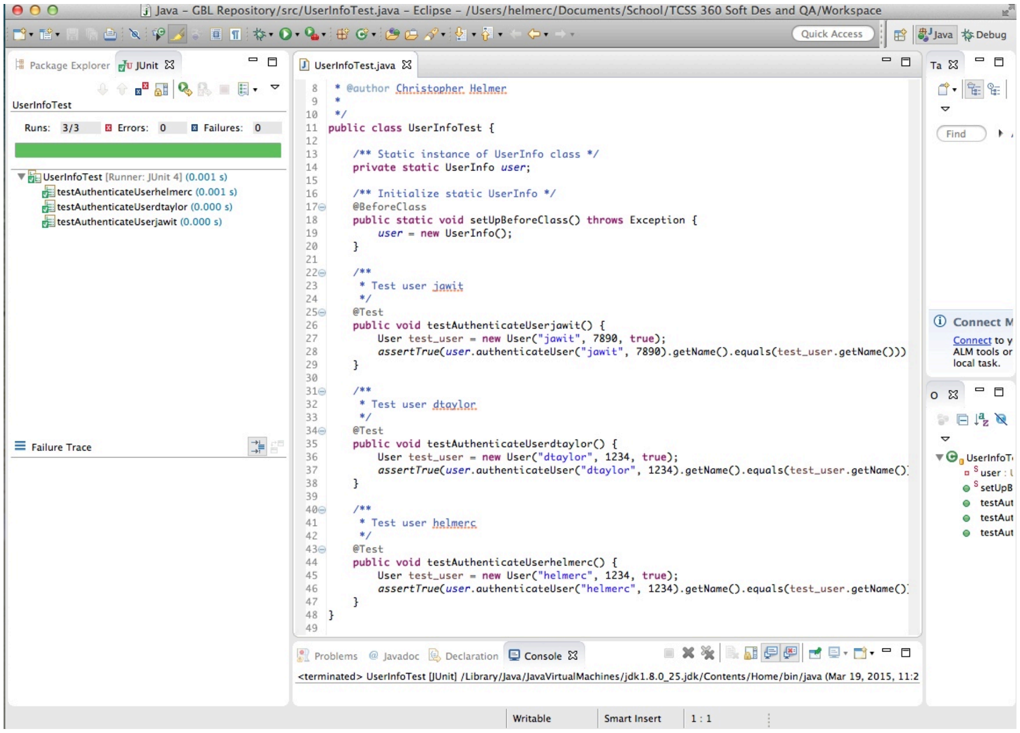
4.0 Contributions

Group Member	**Class/Method**	**Activity**
Chris Helmer	Category/(all methods)	Coding
Chris Helmer	Keyword/(all methods)	Coding
Chris Helmer	Session/(all methods)	Coding
Chris Helmer	UserInfoTest/(all methods)	Coding
Dan Taylor	UserInfo/(all methods)	Coding
Dan Taylor	User/(all methods)	Coding
Dan Taylor	LoginPanel/Most methods	Coding
Dan Taylor	SessionTest/testSearchByKeyCategory	Coding
Jacob Peterson	LogoPanel/(all methods and logo design)	Coding
Jacob Peterson	AnswerPanel/update( )	Coding
Jacob Peterson	UserTest/(all methods)	Coding
Brandon Lioce	AnswerPanel/update( )	Coding
Brandon Lioce	GUIFrame/setUser( ), logout( )	Coding
Brandon Lioce	LoginPanel/clear( )	Coding
Brandon Lioce	LogoPanel/setUser( )	Editing
Brandon Lioce	SearchPanel/setActions( ), containsSpace( )	Coding

Brandon Lioce	SessionTest/testSearchByPhrase( )	Coding
Kim Stewart	GUIFrame/GUI builder code	Coding
Kim Stewart	LogoPanel/GUI builder code	Coding
Kim Stewart	AnswerPanel/GUI builder code	Coding
Kim Stewart	SessionTest/2 keyword test methods	Coding

5.0 Tests

5.1 Here we see three tests to UserInfo. We tested authenticateUser on three different users and they all passed with 0 errors.



Java – GBL Repository/src/UserInfoTest.java – Eclipse – /Users/helmerc/Documents/School/TCSS 360 Soft Des and QA/Workspace

UserInfoTest

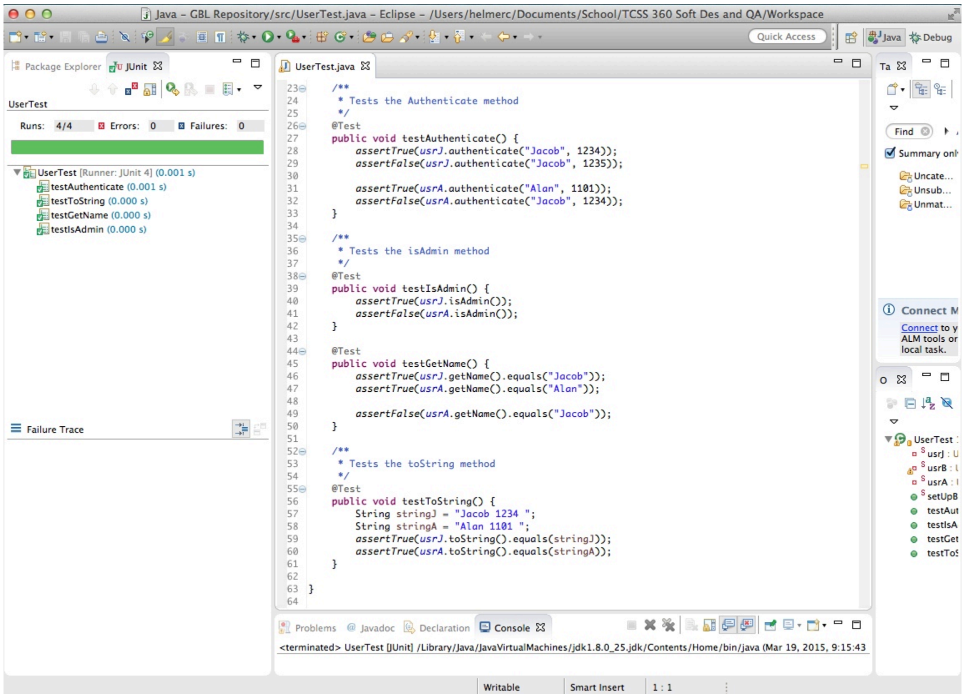
Runs: 3/3 Errors: 0 Failures: 0

```
UserInfoTest [Runner: JUnit 4] (0.001 s)
    testAuthenticateUserhelmerc (0.001 s)
    testAuthenticateUserdtaylor (0.000 s)
    testAuthenticateUserjawit (0.000 s)
```

```java
 * @author Christopher Helmer
 *
 */
public class UserInfoTest {

    /** Static instance of UserInfo class */
    private static UserInfo user;

    /** Initialize static UserInfo */
    @BeforeClass
    public static void setUpBeforeClass() throws Exception {
        user = new UserInfo();
    }

    /**
     * Test user jawit
     */
    @Test
    public void testAuthenticateUserjawit() {
        User test_user = new User("jawit", 7890, true);
        assertTrue(user.authenticateUser("jawit", 7890).getName().equals(test_user.getName()))
    }

    /**
     * Test user dtaylor
     */
    @Test
    public void testAuthenticateUserdtaylor() {
        User test_user = new User("dtaylor", 1234, true);
        assertTrue(user.authenticateUser("dtaylor", 1234).getName().equals(test_user.getName()
    }

    /**
     * Test user helmerc
     */
    @Test
    public void testAuthenticateUserhelmerc() {
        User test_user = new User("helmerc", 1234, true);
        assertTrue(user.authenticateUser("helmerc", 1234).getName().equals(test_user.getName()
    }
}
```

```
<terminated> UserInfoTest [JUnit] /Library/Java/JavaVirtualMachines/jdk1.8.0_25.jdk/Contents/Home/bin/java (Mar 19, 2015, 11:2
```

5.2 Here we test authenticate( ), toString( ), getName( ), and isAdmin( ) in the User class.



UserTest

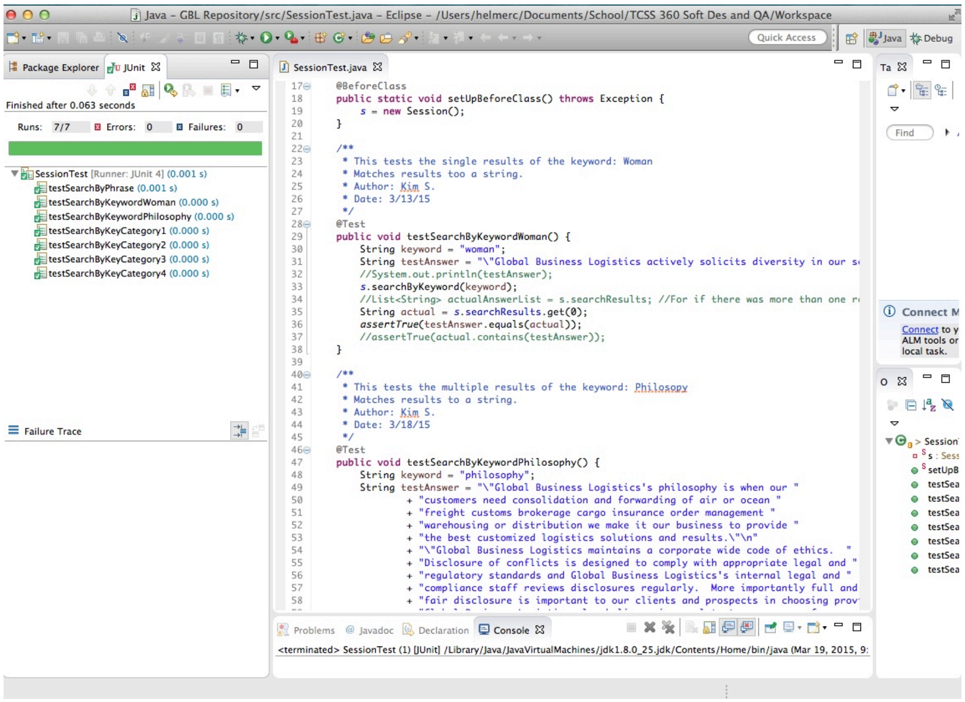
Runs: 4/4 Errors: 0 Failures: 0

```
UserTest [Runner: JUnit 4] (0.001 s)
    testAuthenticate (0.001 s)
    testToString (0.000 s)
    testGetName (0.000 s)
    testIsAdmin (0.000 s)
```

```java
    /**
     * Tests the Authenticate method
     */
    @Test
    public void testAuthenticate() {
        assertTrue(usrJ.authenticate("Jacob", 1234));
        assertFalse(usrJ.authenticate("Jacob", 1235));

        assertTrue(usrA.authenticate("Alan", 1101));
        assertFalse(usrA.authenticate("Jacob", 1234));
    }

    /**
     * Tests the isAdmin method
     */
    @Test
    public void testIsAdmin() {
        assertTrue(usrJ.isAdmin());
        assertFalse(usrA.isAdmin());
    }

    @Test
    public void testGetName() {
        assertTrue(usrJ.getName().equals("Jacob"));
        assertTrue(usrA.getName().equals("Alan"));

        assertFalse(usrA.getName().equals("Jacob"));
    }

    /**
     * Tests the toString method
     */
    @Test
    public void testToString() {
        String stringJ = "Jacob 1234 ";
        String stringA = "Alan 1101 ";
        assertTrue(usrJ.toString().equals(stringJ));
        assertTrue(usrA.toString().equals(stringA));
    }

}
```

```
<terminated> UserTest [JUnit] /Library/Java/JavaVirtualMachines/jdk1.8.0_25.jdk/Contents/Home/bin/java (Mar 19, 2015, 9:15:43
```

5.3 Here we test searchByPhrase( ), searchByKeyword( ) with woman as the keyword, searchByKeyword( ) with philosophy as the keyword, and 4 separate searchByKeyCategory( ) tests.


Java – GBL Repository/src/SessionTest.java – Eclipse – /Users/helmerc/Documents/School/TCSS 360 Soft Des and QA/Workspace
Quick Access
Java
Debug
Package Explorer
JUnit
SessionTest.java
Failure Trace
Problems
Javadoc
Declaration
Console

Finished after 0.063 seconds

Runs: 7/7 Errors: 0 Failures: 0

```
SessionTest [Runner: JUnit 4] (0.001 s)
    testSearchByPhrase (0.001 s)
    testSearchByKeywordWoman (0.000 s)
    testSearchByKeywordPhilosophy (0.000 s)
    testSearchByKeyCategory1 (0.000 s)
    testSearchByKeyCategory2 (0.000 s)
    testSearchByKeyCategory3 (0.000 s)
    testSearchByKeyCategory4 (0.000 s)
```

```java
    @BeforeClass
    public static void setUpBeforeClass() throws Exception {
        s = new Session();
    }

    /**
     * This tests the single results of the keyword: Woman
     * Matches results too a string.
     * Author: Kim S.
     * Date: 3/13/15
     */
    @Test
    public void testSearchByKeywordWoman() {
        String keyword = "woman";
        String testAnswer = "\"Global Business Logistics actively solicits diversity in our s
        //System.out.println(testAnswer);
        s.searchByKeyword(keyword);
        //List<String> actualAnswerList = s.searchResults; //For if there was more than one r
        String actual = s.searchResults.get(0);
        assertTrue(testAnswer.equals(actual));
        //assertTrue(actual.contains(testAnswer));
    }

    /**
     * This tests the multiple results of the keyword: Philosopy
     * Matches results to a string.
     * Author: Kim S.
     * Date: 3/18/15
     */
    @Test
    public void testSearchByKeywordPhilosophy() {
        String keyword = "philosophy";
        String testAnswer = "\"Global Business Logistics's philosophy is when our "
                + "customers need consolidation and forwarding of air or ocean "
                + "freight customs brokerage cargo insurance order management "
                + "warehousing or distribution we make it our business to provide "
                + "the best customized logistics solutions and results.\"\n"
                + "\"Global Business Logistics maintains a corporate wide code of ethics.  "
                + "Disclosure of conflicts is designed to comply with appropriate legal and "
                + "regulatory standards and Global Business Logistics's internal legal and "
                + "compliance staff reviews disclosures regularly.  More importantly full and
                + "fair disclosure is important to our clients and prospects in choosing prov
```

```
<terminated> SessionTest (1) [JUnit] /Library/Java/JavaVirtualMachines/jdk1.8.0_25.jdk/Contents/Home/bin/java (Mar 19, 2015, 9:
```

6.0 Source Catalog

6.1 The package submitted consists of a zipped folder labeled “Deliverable3”. Inside this folder, once unzipped, there are two folders. The folder containing the .jar file is GLB Jar. This folder has all the files needed for our program to run; all files, including the .jar file, must remain in this folder for the program to work properly. GLB.jar is the executable jar file used to run the program. Other files that are needed to run are the answers.csv, which holds the answers, and users.txt, which holds the users. The remaining files are the logos that are displayed in the program. The other folder, “GBL Repository” has within it a folder named “src” that contains all of the source files. The model classes are User.java, UserInfo.java, Category.java and Keyword.java. These classes hold the data that is being searched. The control file is Session.java. That file manages the answers that will be displayed. Finally there are the view files. LogoPanel.java, LoginPanel.java, GUIFrame.java, SearchPanel.java and AnswerPanel.java. These files contain the classes that run the UI portion of the program. GUIFrame.java is the main class in the program. The other classes are UserInfoTest and SessionTest, which are the JUnit test classes used to conduct unit tests.

7.0 Emergency Contacts

7.1 Christopher Helmer

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