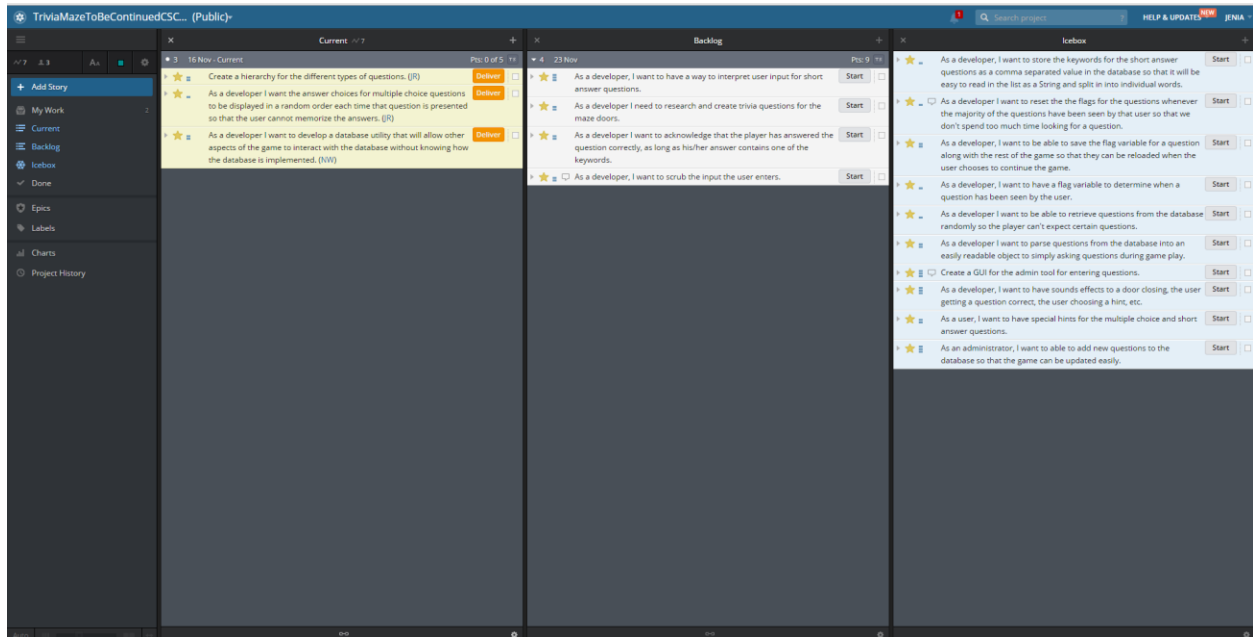


CSCD 350 Software Engineering

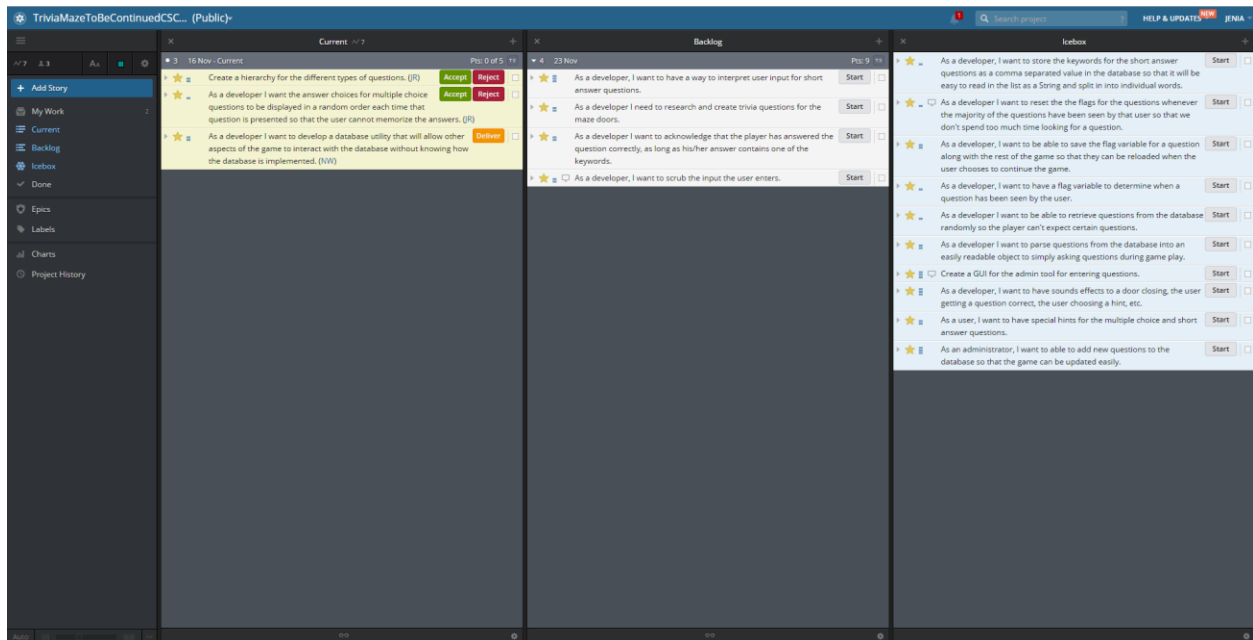
End of 2nd Iteration

Jenia's work for Iteration 2:

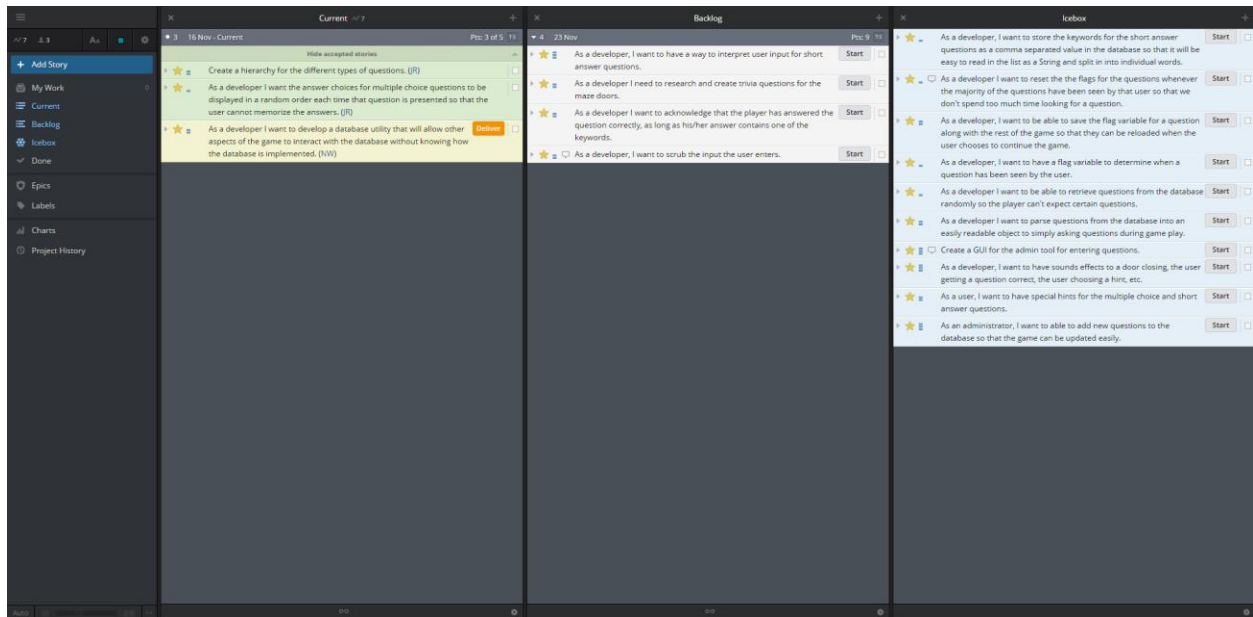
Finishing stories:



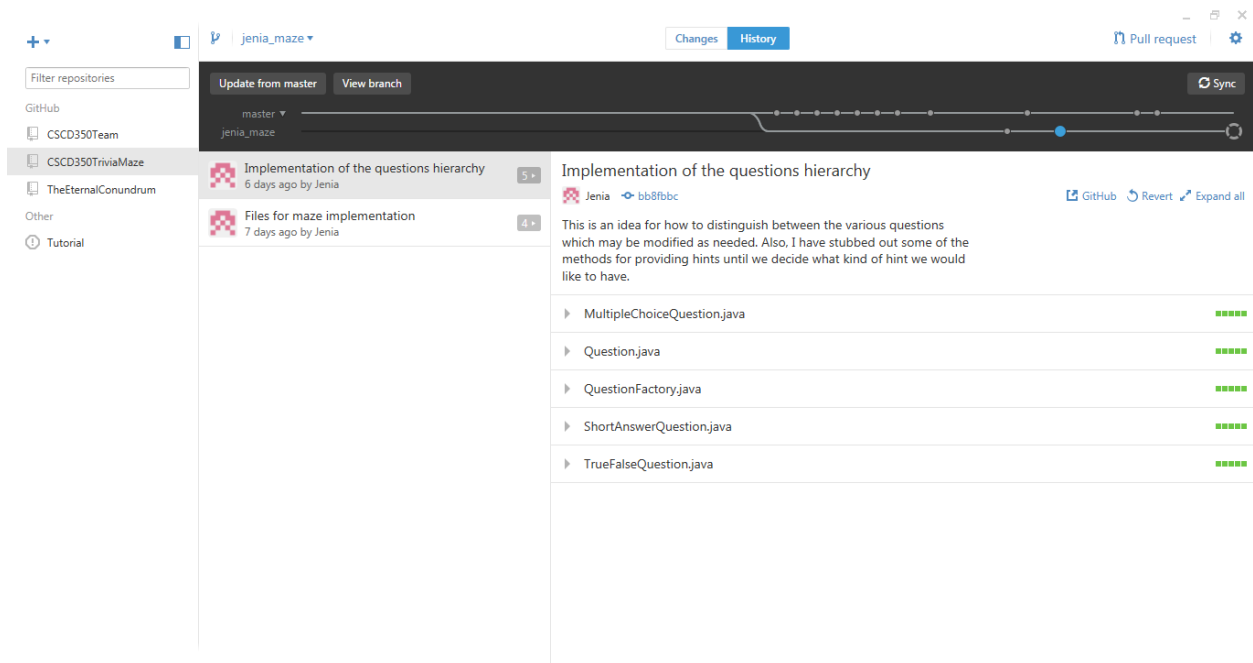
Delivering user stories:



Stories accepted:



Committing the changes to GitHub:



Code Snippets:

This screenshot shows a code editor interface for a project named 'jenia_maze'. The left sidebar displays a file tree with folders for 'GitHub', 'CSCD350Team', 'CSCD350TriviaMaze', 'TheEternalConundrum', 'Other', and 'Tutorial'. The main editor area shows the 'Implementation of the questions hierarchy' file, which contains the following Java code:

```
14 +
15 + public class MultipleChoiceQuestion extends Question
16 + {
17 +     private String[] choices; // a special object for an answer choice may be used here
18 +
19 +     public MultipleChoiceQuestion()
20 +     {
21 +         super(null, null);
22 +         super.setPattern("(?i)[abcd]");
23 +     }
24 +
25 +     public MultipleChoiceQuestion(String question, String correctAnswer, String[] choices)
26 +     {
27 +         super(question, correctAnswer);
28 +         this.choices = choices;
29 +         super.setPattern("(?i)[abcd]");
30 +     }
31 +
32 +     public String[] getChoices()
33 +     {
34 +         return choices;
35 +     }
36 +
37 +     public void setChoices(String[] choices)
38 +     {
39 +         this.choices = choices;
40 +     }
41 + }
```

This screenshot shows the same code editor interface, but with the 'Files for maze implementation' file selected. The main editor area displays the following Java code:

```
5 + /**
6 +  * Question.java
7 +  * Author: Jenia Rousseva
8 +  * Revision: N/A
9 +  * Date: 11/09/2015
10 +  * This file provides the implementation of an abstract class for a generic
11 +  * question. All questions must have a question itself and a correct answer.
12 +  * The class also contains an abstract method called hint.
13 +  * Reference:
14 +  *
15 +  * https://docs.oracle.com/javase/tutorial/java/IandI/abstract.html
16 +  */
17 +
18 + public abstract class Question
19 + {
20 +     private String question;
21 +     private String correctAnswer;
22 +     private String pattern; // a regex pattern for input validation
23 +
24 +     public Question(String question, String correctAnswer)
25 +     {
26 +         this.question = question;
27 +         this.correctAnswer = correctAnswer;
28 +         this.pattern = "(.*)"; // matches anything
29 +     }
30 +
31 +     public String getQuestion()
32 +     {
```

jenia_maze

Filter repositories

GitHub

CSCD350Team

CSCD350TriviaMaze

TheEternalConundrum

Other

Tutorial

Update from masterView branch

masterjenia_maze

Sync

Implementation of the questions hierarchy
6 days ago by Jenia

Files for maze implementation
7 days ago by Jenia

Implementation of the questions hierarchy

Jenia · bb8fbbc

GitHubRevertCollapse all

```
11 +
12 + public class QuestionFactory
13 + {
14 +     public QuestionFactory() {}
15 +
16 +     public Question createQuestion(String type) //may change the type of the parameter to
17 +     int or char
18 +     {
19 +         Question question = null;
20 +         if (type.equals("shortAnswer"))
21 +         {
22 +             question = new ShortAnswerQuestion();
23 +         }
24 +         else if (type.equals("multipleChoice"))
25 +         {
26 +             question = new MultipleChoiceQuestion();
27 +         }
28 +         else if (type.equals("trueFalse"))
29 +         {
30 +             question = new TrueFalseQuestion();
31 +         }
32 +         return question;
33 +     } //end createQuestion
34 +
35 + } //end QuestionFactory
```

jenia_maze

Filter repositories

GitHub

CSCD350Team

CSCD350TriviaMaze

TheEternalConundrum

Other

Tutorial

Update from masterView branch

masterjenia_maze

Sync

Implementation of the questions hierarchy
6 days ago by Jenia

Files for maze implementation
7 days ago by Jenia

Implementation of the questions hierarchy

Jenia · bb8fbbc

GitHubRevertCollapse all

```
4 + * ShortAnswerQuestion.java
5 + * Author: Jenia Rousseva
6 + * Revision: N/A
7 + * Date: 11/09/2015
8 + * This file provides the implementation of a short answer question object.
9 + * These types of questions differ from other types in that a set of keyword(s)
10 + * will be used to match the user's answer to the correct answer.
11 + * Reference:
12 + *
13 + * https://docs.moodle.org/22/en/Regular_Expression_Short-Answer_question_type
14 + * https://docs.moodle.org/29/en/Short_answer_analysis
15 + */
16 +
17 + import java.util.Scanner;
18 +
19 + public class ShortAnswerQuestion extends Question
20 + {
21 +     String [] keywords; // acceptable answer choices; this can be changed to only one
22 +     keyword
23 +     String hint; // may use a special object
24 +
25 +     public ShortAnswerQuestion()
26 +     {
27 +         super(null, null);
28 +     }
29 +
30 +     public ShortAnswerQuestion(String question, String correctAnswer, String[] keywords)
```

jenia_maze

ChangesHistory

Pull request

Filter repositories

GitHub

CSCD350Team

CSCD350TriviaMaze

TheEternalConundrum

Other

Tutorial

Update from masterView branch

masterjenia_maze

Sync

Implementation of the questions hierarchy
6 days ago by Jenia

Files for maze implementation
7 days ago by Jenia

Implementation of the questions hierarchy

Jenia bb8fbbc

GitHubRevertCollapse all

```
15 +
16 + public class TrueFalseQuestion extends Question
17 + {
18 +     public TrueFalseQuestion()
19 +     {
20 +         super(null, null);
21 +         super.setPattern("(?i){tf}");
22 +     }
23 +
24 +     public TrueFalseQuestion(String question, String correctAnswer)
25 +     {
26 +         super(question, correctAnswer);
27 +         super.setPattern("(?i){tf}");
28 +     }
29 +
30 +     @Override
31 +     public void printQuestion()
32 +     {
33 +         super.printQuestion();
34 +         System.out.println("\n\nChoose T or F:\n");
35 +     }
36 +
37 +     @Override
38 +     public void hint() // cannot have hints here
39 +     {
40 +         // TODO Auto-generated method stub
41 +     }
42 +
```

 10 commits

 4 branches

 0 releases

 3 contributors


Your recently pushed branches:

 **davidBranch** (less than a minute ago)

 Compare & pull request

 Branch: **davidBranch** ▾ **CSCD350TriviaMaze** / +



This branch is 2 commits ahead, 4 commits behind master.  Pull request  Compare

 David2Walker Added Trivial Util + save feature		Latest commit 535dd63 27 seconds ago
 Iteration 1	Nick	9 days ago
 Item.java	Added Trivial Util + save feature	26 seconds ago
 Player.java	Added Trivial Util + save feature	26 seconds ago
 README.md	Revert "Revert "Initial commit""	9 days ago
 TriviaMain.java	Added Trivial Util + save feature	26 seconds ago
 triviaUtil.java	Added Trivial Util + save feature	26 seconds ago

TriviaMazeToBeContinuedCSC... (Public)

12

3

AA

+ Add Story

My Work0

Current

Backlog

Icebox

Done

Epics

Labels

Charts

Project History

Current

12

9 Nov - Current

Pts: 3 of 10

TS

Hide accepted stories

As a user I want to be able to save my game so that I can continue later (DA)

As a developer I want to develop a database utility that will allow other aspects of the game to interact with the database without knowing how the database is implemented. (NW)

Deliver

As a developer I need to research and create trivia questions for the maze doors.

Start

Backlog

Icebox

As a developer I want to be able to retrieve questions from the database randomly so the player can't expect certain questions.

Start

As a developer I want to parse questions from the database into an easily readable object to simply asking questions during game play.

Start

Create a GUI for the admin tool for entering questions.

Start

As a developer, I want to have a way to interpret user input for short answer questions.

Start

As a developer, I want to scrub the input the user enters.

Start

As a developer, I want to have sounds effects to a door closing, the user getting a question correct, the user choosing a hint, etc.

Start

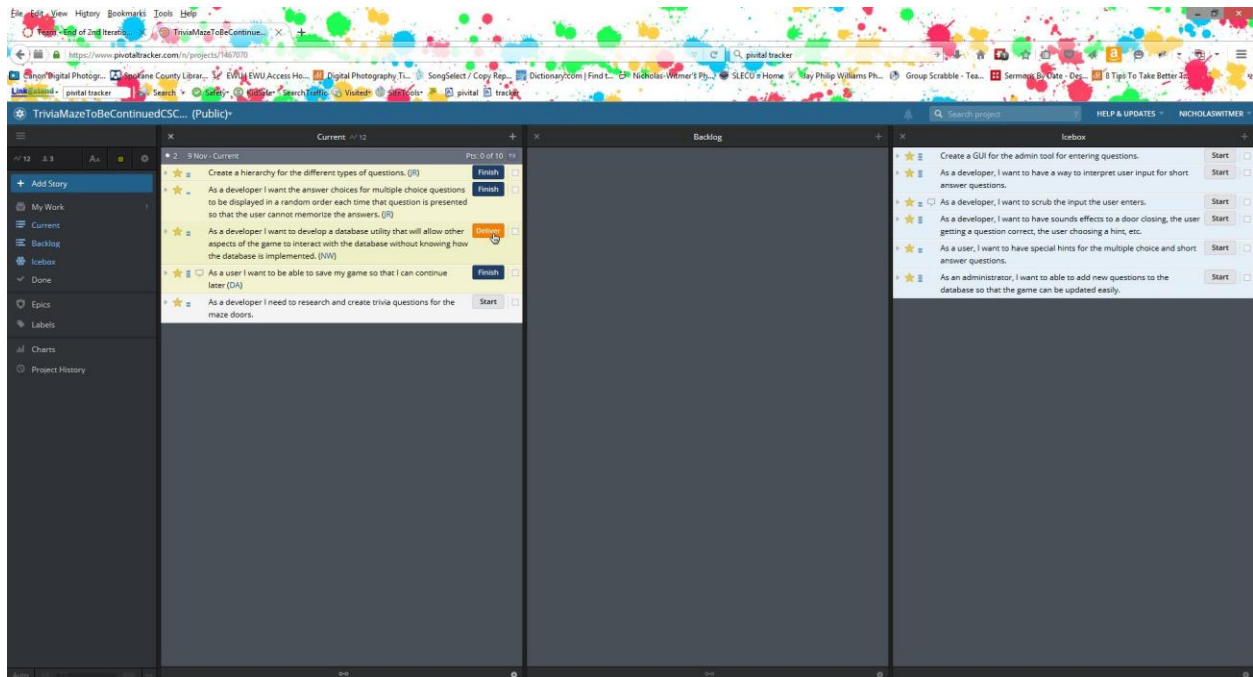
As a user, I want to have special hints for the multiple choice and short answer questions.

Start

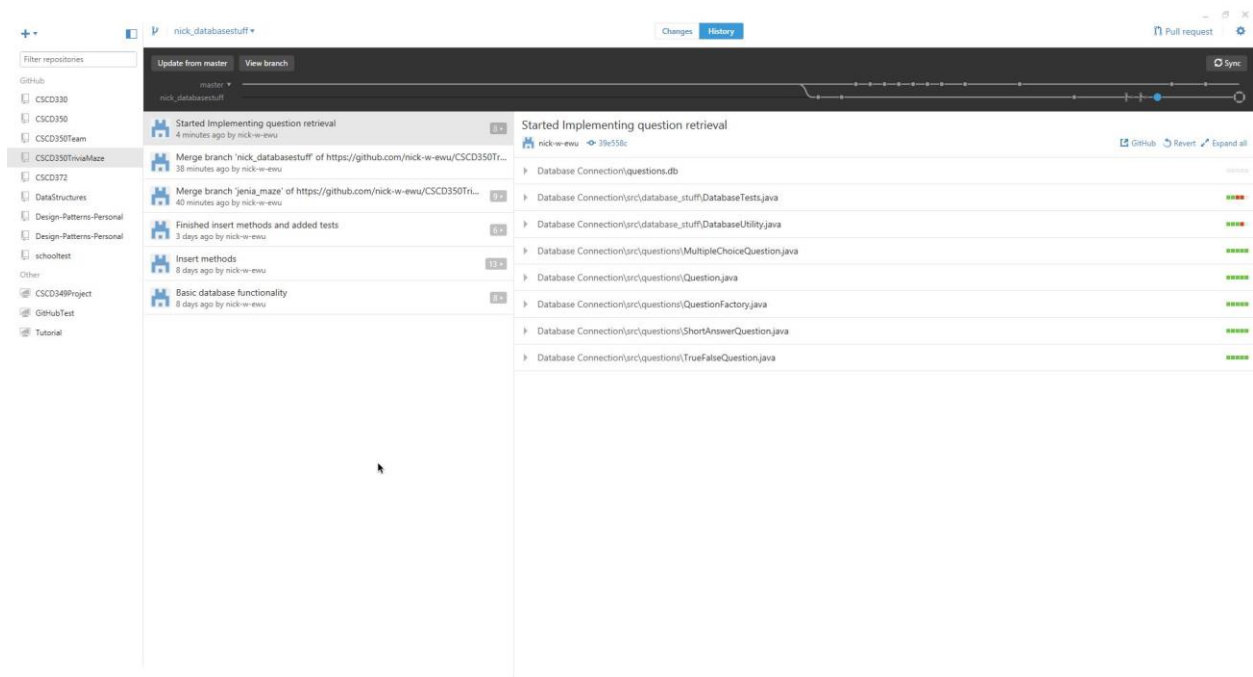
As an administrator, I want to be able to add new questions to the database so that the game can be updated easily.

Start

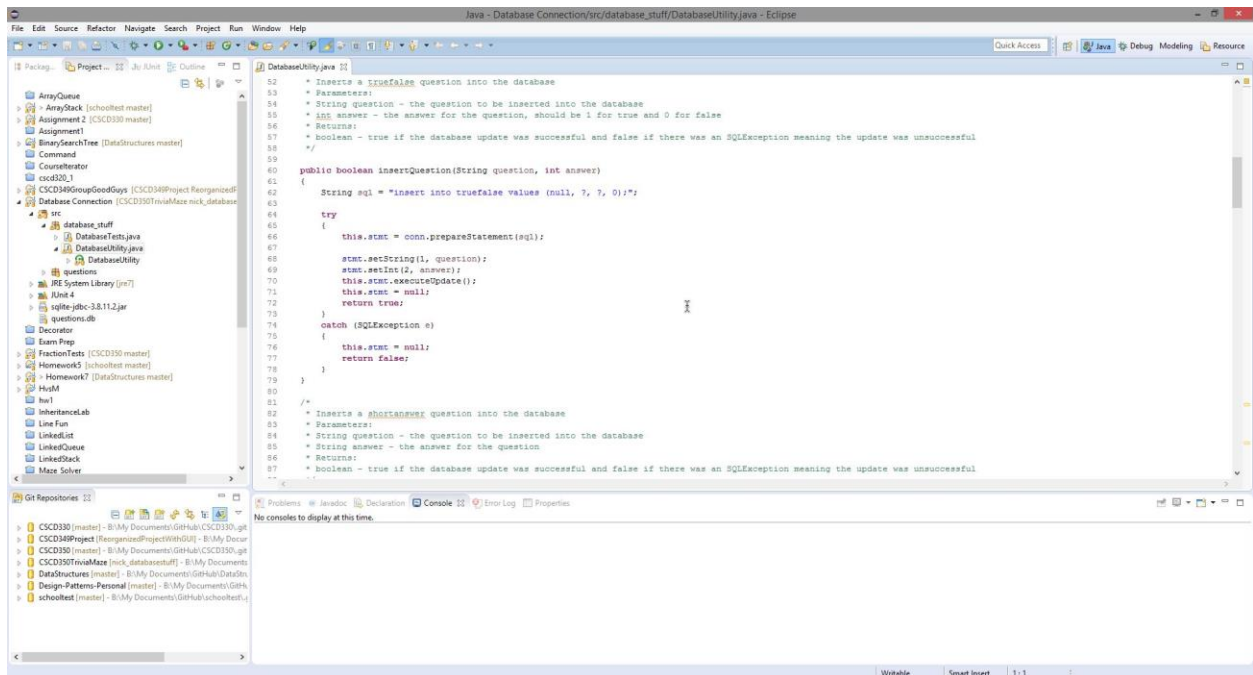
Pivotal Tracker finished user stories:



Nick's GitHub Branch



Insert functionality for in the DatabaseUtility



Tests for insert methods

