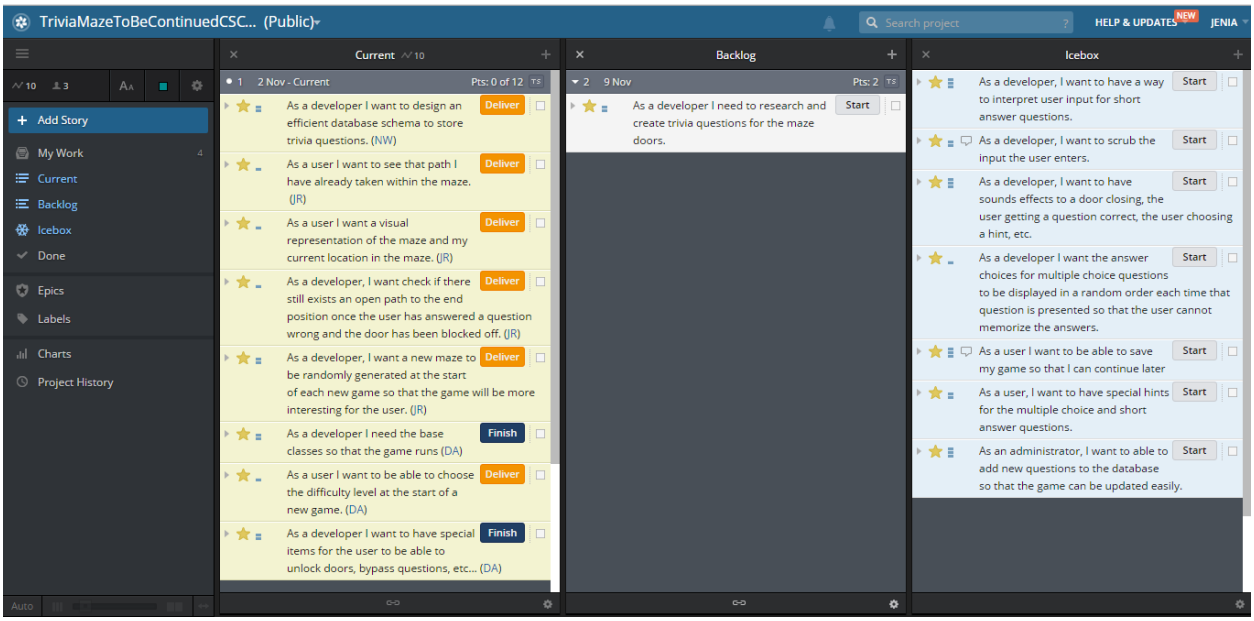
CSCD 350 Software Engineering

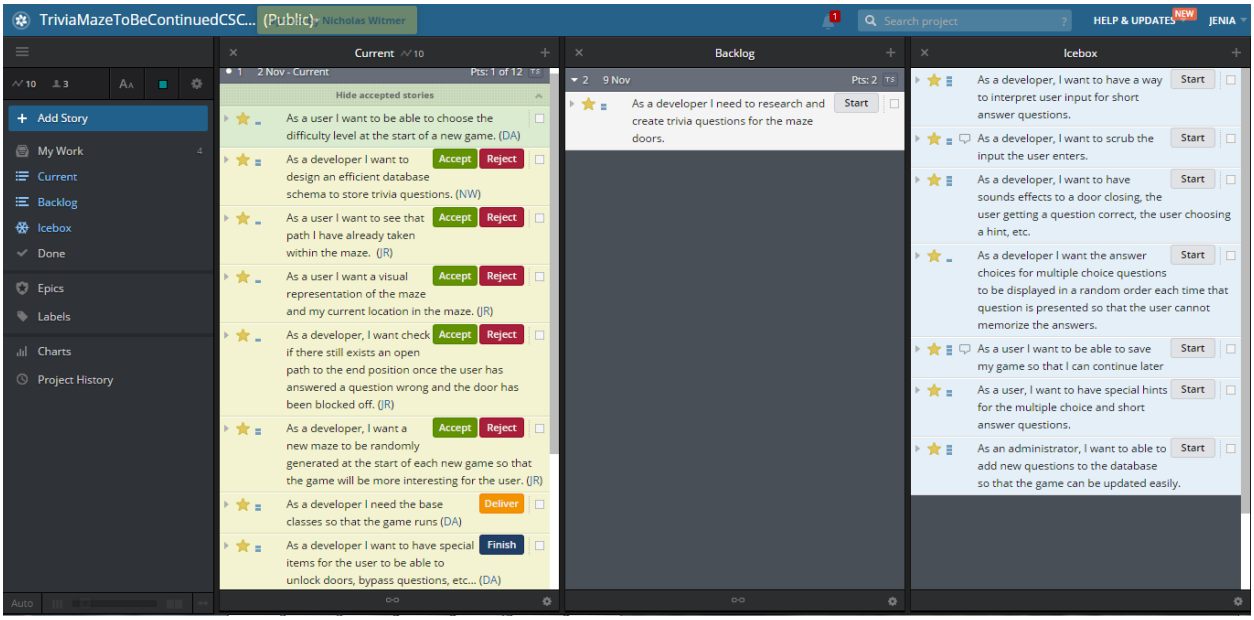
End of 1st Iteration

Jenia's Work for Iteration 1:

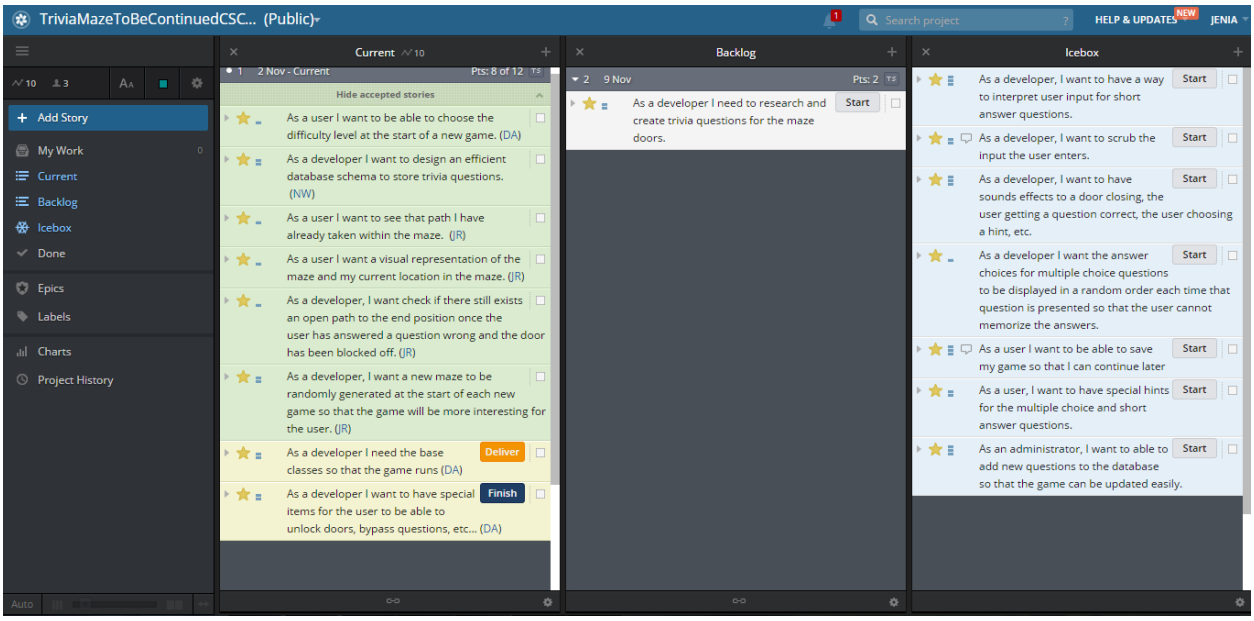
Finishing stories:



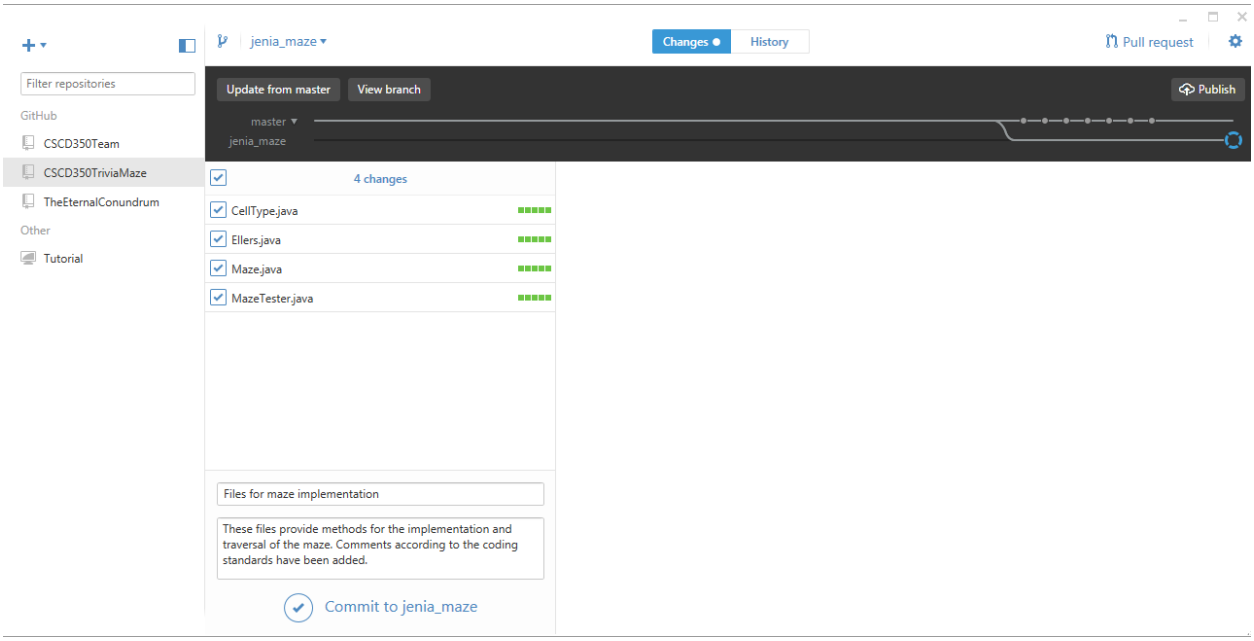
Delivering user stories:



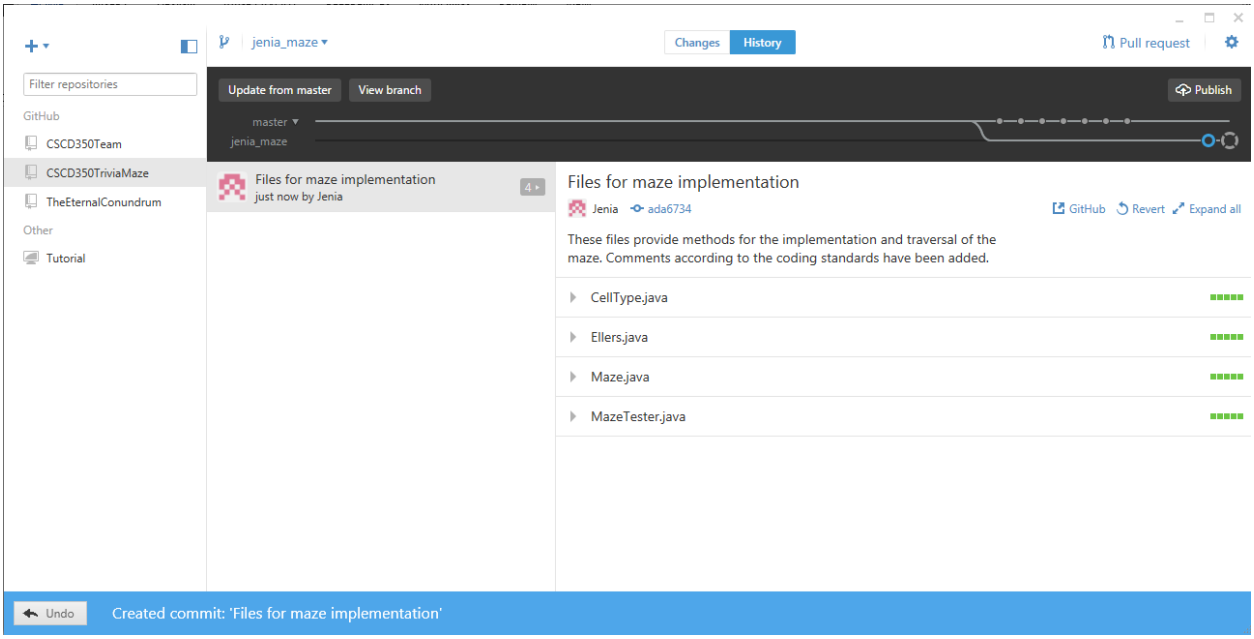
Stories accepted:



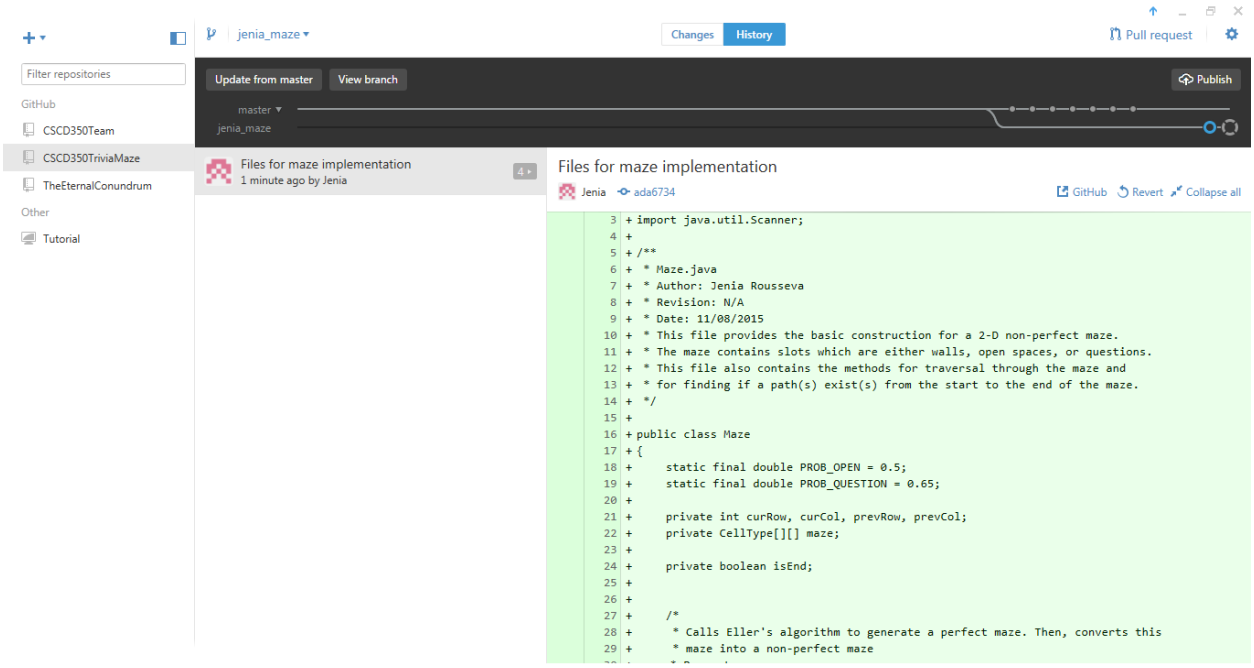
Adding files to GitHub:

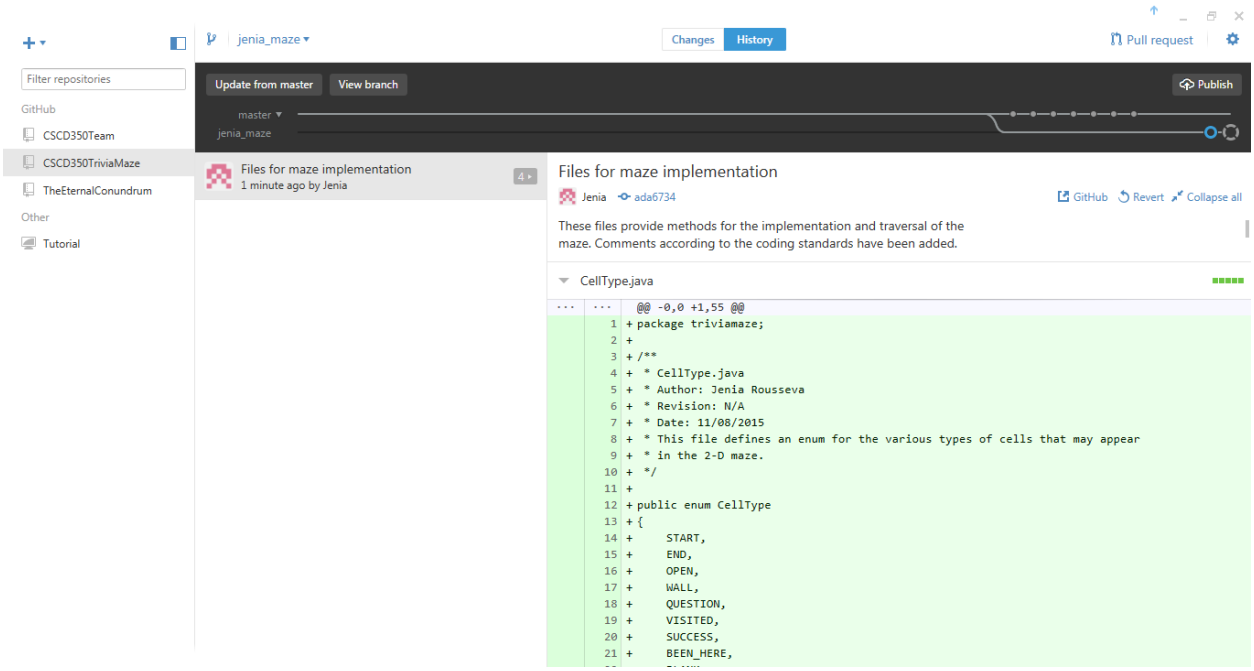


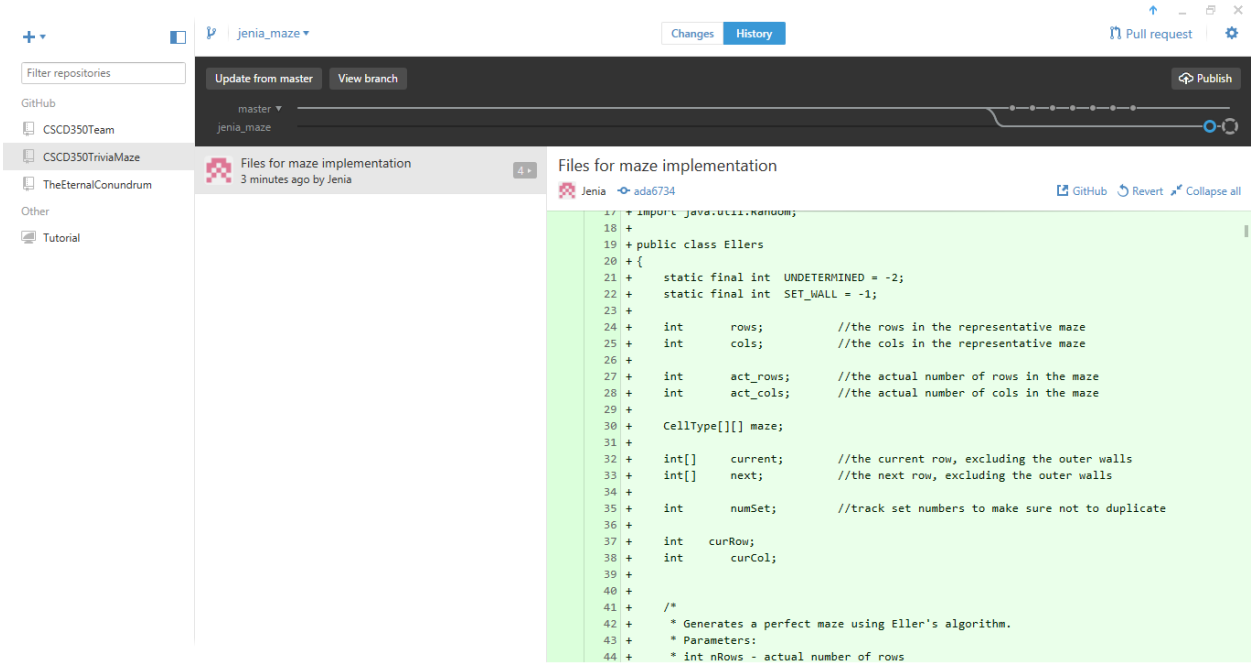
Committing the changes:



Code Snippets:




jenia_maze
Changes
History
Pull request
Filter repositories
Update from master
View branch
Publish
GitHub
CSCD350Team
CSCD350TriviaMaze
TheEternalConundrum
Other
Tutorial
master
jenia_maze
Files for maze implementation
1 minute ago by Jenia
4
Files for maze implementation
Jenia
ada6734
GitHub
Revert
Collapse all
These files provide methods for the implementation and traversal of the maze. Comments according to the coding standards have been added.
CellType.java
@@ -0,0 +1,55 @@
+package triviamaze;
+
+/**
+ * CellType.java
+ * Author: Jenia Rousseva
+ * Revision: N/A
+ * Date: 11/08/2015
+ * This file defines an enum for the various types of cells that may appear
+ * in the 2-D maze.
+ */
+
+public enum CellType
+{
+   START,
+   END,
+   OPEN,
+   WALL,
+   QUESTION,
+   VISITED,
+   SUCCESS,
+   BEEN_HERE,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Files for maze implementation
3 minutes ago by Jenia
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Files for maze implementation
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Collapse all
+ import java.util.Random;
+
+public class Ellers
+{
+   static final int UNDETERMINED = -2;
+   static final int SET_WALL = -1;
+
+   int   rows;   //the rows in the representative maze
+   int   cols;   //the cols in the representative maze
+
+   int   act_rows;   //the actual number of rows in the maze
+   int   act_cols;   //the actual number of cols in the maze
+
+   CellType[][] maze;
+
+   int[]   current;   //the current row, excluding the outer walls
+   int[]   next;   //the next row, excluding the outer walls
+
+   int   numSet;   //track set numbers to make sure not to duplicate
+
+   int   curRow;
+   int   curCol;
+
+
+   /*
+   * Generates a perfect maze using Eller's algorithm.
+   * Parameters:
+   * int nRows - actual number of rows

Example of maze traversal: