New Application Features

Review the Minesweeper game requirements from your prior programming class to understand the game logic and game rules for Minesweeper.

Redesign and improve the Minesweeper Game Board built from previous Topic:

1. Use AJAX and partial pages to avoid full page updates. Display a time stamp on the game screen to demonstrate AJAX is being used to update individual button clicks.
2. Encapsulate all game logic and game rules into a back-end game service (a.k.a. business service) class.
3. Implement a JavaScript (jQuery) right-click event on each button. A right-click on a button should plant a flag or remove an existing flag. A button with a flag should not respond to left-click events.
4. Display a Game Over message or view for both success and failure cases.

Scrum Planning

In each milestone for this course, the team will look at the requirements and conduct the following tasks:

Write User Stories to describe the functionality being developed in this sprint.

Create a list of tasks and assign each of them to a team member.

Hold a daily scrum with your team members where each team member:

1. Updates the task progress and the burndown chart.
2. Answers three questions: a)"What have I done since yesterday?", b. "What will I do today?", c. "What prevents me from performing my work as efficiently as possible?"

Create or update design documents including user interface wireframes, database tables, site navigation maps, and class UML diagrams.

Hold a retrospective meeting on the final daily meeting of the sprint.

Deliverables

Agile spreadsheet that includes:

1. Product backlog
2. Sprint Task List with time estimates
3. Burn Down Chart

Updated design documents for user interface wireframes, site navigation map, database design, and class diagrams.

Screencast video demonstrating the functionality of the app, as well as describing how the app was designed and coded.

Zip the source code of the application. To reduce file sizes, exclude the bin and obj folders. These are recreated each time you build and run the application.

APA style is not required, but solid academic writing is expected.

This assignment uses a rubric. Review the rubric prior to beginning the assignment to become familiar with the expectations for successful completion.