New Application Features

"Save Game" button or menu. The game state (the grid of all button states) and user information is serialized into a string and saved into a table in the database. Each row of the table should store the UserId, the time and date when the game was saved, and the string of serialized game data.

"Show Saved Games" button or menu. A screen displays a list/table of saved games. One row of data is displayed for each game.

The user can select one of the games and load it to continue playing.

The user can select one of the games and delete it.

Publish the list of saved games as a REST based service. Endpoints should include:

* 1. **localhost/api/showSavedGames** – Displays all saved games.
  2. **localhost/api/showSavedGames/5** – Displays the contents of a single game specified by the trailing number.
  3. **localhost/api/deleteOneGame/5** – Deletes one game from the database.

Unfortunately, there isn't time to create a new front-end client in the form of a Mobile app or React app to utilize the REST service.

No security features will protect the API, so login is not required to access the services yet.

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.

1. All planning and design artifacts updated in a GIT Repository, and in a folder called Planning and Design.
2. All code artifacts checked into a GIT Repository, and in a folder called Application.
3. All planning artifacts, design report, and code zipped into a single file and uploaded to the digital classroom.

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.