**.NET Application Programming**

**Project Status and Design Report**

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| --- | --- | --- |
| **Topic:** | CLC – Milestone 5: Save/Restore Game Progress and REST API Features | |
| **Date:** | *09.10.2020* | |
| **Revision:** | *1.0* | |
| **Team:** | 1. *Joseph Cooper* | |
| 1. *Cameron Deao* | |
| 1. Vison Martin | |
|  | |
| **Weekly Team Status Summary:** | |  |  |  |  | | --- | --- | --- | --- | | **User Story** | **Team**  **Member** | **Hours**  **Worked** | **Hours Remaining** | | *AJAX Partial Views and Page Updates* | *Vinson* | *0* | *4* | | *SQL and algorithm implementation for Game Board save* | *Vinson* | *0* | *4* | |  |  |  |  | | *NLog implementation* | *Joseph* | *4* | *0* | | *Design Report and other paperwork* | *Joseph* | *2* | *0* | |  |  |  |  | | *Store, retrieve and restore saved game* | *Cameron* | *0* | *8* | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | | |
| **GIT URL:** | <https://github.com/cmdeao/CST-247---CLC-Project> | |
| **Peer Review:** | *Y/N* | We acknowledge that our team has reviewed this Report and we agree to the approach we are all taking. |

**Planning Documentation**

**Agile Scrum Product Backlog:**

<https://github.com/cmdeao/CST-247---CLC-Project/blob/master/Planning%20and%20Design/CST-247-RS-SprintProductLog%20-%20CLC.xlsx>

**Agile Scrum Sprint Backlog:**

<https://github.com/cmdeao/CST-247---CLC-Project/blob/master/Planning%20and%20Design/CST-247-RS-SprintBackLog%20-%20CLC.xls>

**Agile Scrum Burn Down Chart:**

<https://github.com/cmdeao/CST-247---CLC-Project/blob/master/Planning%20and%20Design/CST-247-RS-SprintBurnDown%20-%20CLC.xlsx>

**Agile Retrospective Results:**

*The following table should be completed after each Retrospective on Things That Went Well (Keep Doing). An alternative to the following table is to use a Mind Mapping tool such as Coggle. If you use a Mind Mapping tool you must include a URL or Image File.*

|  |
| --- |
| **What Went Well** |
| **NLog implementation that logs to host machine added successfully.** |
| **Early communication and planning between group members.** |
|  |

*The following table should be completed after each Retrospective on Things That Didn’t Go Well (Stop Doing) and What Would Be Done Differently Next Time with an Action Plan to Improve (Try Doing and Continuous Improvement). An alternative to the following table is to use a Mind Mapping tool such as Coggle. If you use a Mind Mapping tool you must include a URL or Image File.*

|  |  |  |
| --- | --- | --- |
| **What Did Not Go Well** | **Action Plan** | **Due Date** |
|  |  |  |
|  |  |  |
|  |  |  |

**Design Documentation**

**Install Instructions:**

*Step by step instructions for setting up your database, configuring, and deploying/installing your application. This section should also include detailed instructions for what configuration files are required by your application, what configuration settings need to be adjusted for various runtime (development or production) environments, and where the files need to be deployed to. This section should also contain detailed instructions for how to clone your application source code from BitBucket and deploy the application to an externally hosted site.*

**General Technical Approach:**

*You should, in words, describe your approach and design here. You should also summarize any meeting notes, brainstorming sessions, etc. that you want to retain thru the design of your project.*

**Key Technical Design Decisions:**

*Any final technical design decisions, such as framework decisions, etc., should be documented here. This should list the technology/framework, its purpose in the design, and why it was chosen.*

**ER Diagram:**

*Image file of your ER database diagram.*

**DDL Scripts:**

*This should contain a link to BitBucket where the DDL script can be downloaded from.*

**Sitemap Diagram:**

*Image file of your Sitemap diagram.*

**Security Design:**

*This section should outline the design for how authentication and authorization was supported. This section should also contain all of the roles and privileges that are supported by the design.*

**Third Part Interface Design:**

*This section should fully document any Third Party Service Interface API’s, how to access the service, what parameters are required by the API, and the detailed JSON data format specification that could be used by a third party developer to integrate with the service and API.*

**Flow Charts:**

*You should insert any flow charts here. Flow charts should document algorithms or workflow that will be implemented in your program. At a minimum this should contain a flow chart of the Minesweeper game logic.*

**User Interface Diagrams:**

*You should insert any wireframe drawings or white board concepts that were developed to support your application. If you have no supporting documentation please explain the rational why you are able to leave this section as N/A.*

**Class Diagrams:**

*You should insert any class diagrams here. Your class diagrams should be drawn correctly with the three appropriate class compartments, + and – minus to indicate accessibility, and the data types for the state/properties as well as method arguments and return types. If you have no supporting documentation please explain the rational why you are able to leave this section as N/A.*

**Pseudo Code:**

*You should provide BitBucket URL references to any code stubs & pseudo code. If you have no supporting documentation please explain the rational why you are able to leave this section as N/A.*

**Other Documentation:**

*You should insert any additional drawings, storyboards, white board pictures, project schedules, tasks lists, etc. that support your approach, design, and project. If you have no supporting documentation please explain the rational why you are able to leave this section as N/A.*