**CST-350 Project Status and Design Report**

**.NET Application Programming**

|  |  |  |
| --- | --- | --- |
| **Topic:** | Topic 2: Views in .NET MVC | |
| **Date:** | *10/02/2022* | |
| **Revision:** | *1.0* | |
| **Team:** | 1. *Daniyar Abeuov* | |
|  | |
|  | |
|  | |
| **Milestone Task Summary:** | |  |  |  |  | | --- | --- | --- | --- | | **User Story** | **Team**  **Member** | **Hours**  **Worked** | **Hours Remaining** | | *Registration* | *Danny* | *4* | *0* | | *Login* | *Danny* | *4* | *0* | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | | |
| **Repository URL:** | https://github.com/AbeuovDaniyar/CST-350 | |
| **Peer Review:** | *Yes* | 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:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **User Stories** | | |  |  |  |
| **ID** | **Feature** | **As a(n) <actor>** | **I would like to <description>** | **So that I can** | **Estimate (hours)** | **Assigned To** | **Sprint #** |
| 1 | Register | app user | Register for account | login into my account | 1 | Danny | 1 |
| 2 | Login | app user | login to existing account | gain access to the game | 1 | Danny | 1 |

**Agile Scrum Sprint Backlog:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | DATE: | 28-Jan | 29-Jan | 30-Jan | 31-Jan | 1-Feb | 2-Feb | 3-Feb | 4-Feb | 5-Feb | 6-Feb |
| User Story ID | User Story | Task | Assigned To | Estimate (hours) | Day 1 | Day 2 | Day 3 | Day 4 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 10 |
| 1 | As a user, I would like to be able to register so that I can login into my account. | build controller | Danny | 1 | 0.5 |  | 0.5 |  |  |  |  |  |  |  |
|  |  | build model | Danny | 1 | 0.5 |  | 0.5 |  |  |  |  |  |  |  |
|  |  | build views | Danny | 1 | 1 |  |  |  |  |  |  |  |  |  |
|  |  | build database | Danny | 1 |  | 1 |  |  |  |  |  |  |  |  |
| 2 | As a user I would like to login into my account so that I can get access to the game | build controller | Danny | 1 |  | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  |  | build model | Danny | 1 |  | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  |  | build views | Danny | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  |  | build database | Danny | 1 | 0 | 0.5 | 0.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | As a(n) <actor> I would like to <description> | Task 9 | Team Member | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | As a(n) <actor> I would like to <description> | Task 10 | Team Member | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ideal - Remaining efforts in uninterrupted working hours. | | | | 8 | 7.2 | 6.4 | 5.6 | 4.8 | 4 | 3.2 | 2.4 | 1.6 | 0.8 | 0.00 |
| Actual - Remaining efforts in uninterrupted working hours. | | | | 8 | 6 | 4.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**Agile Scrum Burn Down Chart:**

**Agile Retrospective Results:**

*The following table should be completed after each Retrospective on things that went well (keep doing).*

|  |
| --- |
| **What Went Well** |
| **Login and Registration implementation** |
|  |
|  |

*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. An Action Plan is a short statement describing what you will do differently. The due date for the plan is when you will implement the change.*

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

**Design Documentation**

**Install Instructions:**

*Download the Project folder, open the project solution file in Visual Studio. Press ctrl+F5 or by pressing the “run” button.*

**Key Technical Design Decisions:**

*Using .NET Core MVC Web Application to create the project. MVC makes it easier to work with in the development and implementation of the application, as well as the maintainability. Created Business and Data services to separate the logic to make it easier to maintain and develop. Also makes it possible to modify the services, add or delete services. Using built in MS SQL database, because it is convenient and easy to use.*

**ER Diagram***A screenshot of a computer

Description automatically generated with medium confidence***DDL Scripts:**

CREATE TABLE [dbo].[Users] (

[Id] INT IDENTITY (1, 1) NOT NULL,

[FIRSTNAME] NVARCHAR (50) NOT NULL,

[LASTNAME] NVARCHAR (50) NOT NULL,

[SEX] NCHAR (10) NOT NULL,

[AGE] INT NOT NULL,

[STATE] NVARCHAR (50) NOT NULL,

[EMAIL] NVARCHAR (50) NOT NULL,

[USERNAME] NVARCHAR (50) NOT NULL,

[PASSWORD] NVARCHAR (50) NOT NULL,

PRIMARY KEY CLUSTERED ([Id] ASC)

);

<https://github.com/AbeuovDaniyar/CST-350>

**Sitemap Diagram:**

*Graphical user interface

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**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 whiteboard concepts that were developed to support your application.*

**Class Diagrams:**

Graphical user interface, text, application

Description automatically generated

**Pseudo Code:**

*You should provide a URL references to any code stubs and pseudocode. If you have no supporting documentation, please explain the rationale for why you are able to leave this section as N/A.*

**Other Documentation:**

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