**CST-235 Java Application Programming Project Status and Design Report**

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| **Topic:** | Milestone Assignments | |
| **Date:** | 11/7/2021 | |
| **Revision:** | Version 1.0 | |
| **Team:** | 1. Branden McNeill | |
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| **Weekly Team Status Summary:** | |  |  |  |  | | --- | --- | --- | --- | | **User Story** | **Team**  **Member** | **Hours**  **Worked** | **Hours Remaining** | | Wireframes | Branden | 2 |  | | Project Report |  | 1 |  | | Discussion |  | 2 |  | | Sitemap |  | 0.5 |  | | Initial Full stack |  | 2 |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | | |
| **GIT URL:** | *https://github.com/BrandenMGCU/CST-235-ClassAssignments* | |
| **Peer Review:** | Y | We acknowledge that our team has reviewed this Report and we agree to the approach we are all taking. |

**Design Documentation**

**Install Instructions:**

*Include 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:**

The web service we are making is a book reader. With such a site, the user must be able to login/register to view the book’s contents. The admin of the site will be able to add, edit or remove books or users from the site.

**Key Technical Design Decisions:**

Because of our lack of time due the accelerated timeline of the class, we are going for a simplistic design to match our ability and timeline. With this, we are going the keep the design simple, so we don’t overextend our project and miss deadlines. We are doing this by offering books to be read by the user once they have an account. The user can then be giving permissions from a site admin to be able to add new books or edit books to the site. Every page will have a navigation bar to allow the user to navigate to the different pages on the site.

**Known Issues:**

* Being an online only class.
* Accelerated Timeline.
* Busy Schedules.
* Communication.

**Risks:**

* Acts of God.
* Git Merge Conflicts.

**ER Diagram:**

* DB:
  + Users:
    - UserID
    - Username
    - Password
    - Perms
  + Books*:*
    - BookID
    - Title
    - Description
    - Placeholder for book content.

**DDL Scripts:**

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

**Sitemap Diagram:**

**Diagram

Description automatically generated**

**Was the design in mind but just ran out of time, and help.**

**User Interface Diagrams:**

Graphical user interface

Description automatically generated

**Was the design in mind but just ran out of time, and help.**

**Class Diagrams:**

TBD

**Service API Design:**

None being used.

**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.*

**Other Documentation:**

**Assignments:**

Branden: Front end: web design.

Branden McNeill: Full stack.

Branden: Back end.