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

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| **Topic:** | Milestone Assignment 4 | |
| **Date:** | 11/8/2021 | |
| **Revision:** | Version 4 | |
| **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 | Branden | 1 |  | | Discussion | Branden | 2 |  | | Sitemap | Branden | 0.5 |  | | Initial Full Milestone Development | Branden | 2 |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | | |
| **GIT URL:** | *https://github.com/BrandenMGCU/CST-235-ClassAssignments* | |
| **Peer Review:** | Y | I acknowledge that I have reviewed this Report and I agree to the approach I’m taking. |

**Design Documentation**

**Install Instructions:**

*The application itself had some difficulties and time constraints that caused for some disarray when accessing the database.*

*The application itself will provide the concept and approach for the milestone goal.*

**General Technical Approach:**

The general approach is to make a bookstore project. The purpose of this is to allow the user to register and login and from there, see and experience the process of selecting a book with the ability to checkout.

**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. There will be a navigation bar at the landing page and was going to continue the implementation across all pages but ran out of time. Wanted to incorporate a bit more design and functional elements as well and will continue to work on this project outside of this class in the future.

**Known Issues:**

**Database accessibility**

* Being an online only class.
* Accelerated Timeline.
* Busy Schedules.
* Communication.
* No Teammate Support

**Risks:**

**Database Overrides Data**

* Acts of God.
* Git Merge Conflicts.
* No Support

**ER Diagram:**

* DB:
  + Users:
    - UserID
    - Username
    - Password
  + 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:**

**Table

Description automatically generated with medium confidence**

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

**Class Diagrams:**

TBD

**Service API Design:**

None being used.

**Security Design:**

*When it comes to security design it is advised that the user register, then sign in to experience the store.*

**Other Documentation:**

**Assignments:**

Branden: Front End: Web Design.

Branden McNeill: Full Stack.

Branden: Back End Stack.