**CST-323 Design Report Template**

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| **Topic:** | *Milestone 2* | |
| **Date:** | *10/16/2022* | |
| **Revision:** | *1.0* | |
| **Team:** | 1. *Daniyar Abeuov* | |
| 1. Jacob Cauthron | |
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|  | |
| **Weekly Team Status Summary:** | |  |  |  |  | | --- | --- | --- | --- | | **User Story** | **Team**  **Member** | **Hours**  **Worked** | **Hours Remaining** | | *Create project proposal* | *Daniyar/Jacob* | *2* |  | | *Create design doccumentation* | *Daniyar/Jacob* | *3* |  | | *Coding* | *Daniyar/Jacob* | *5* |  | | *Testing* | *Daniyar/Jacob* | *3* |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | | |
| **GIT URL:** | *https://github.com/AbeuovDaniyar/BibleApp* | |
| **Hosting URL:** | *The Hosting URL that I can use to access your application.* | |
| **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:**

*Clone git repository, run on ISS windows server within visual studio.*

**General Technical Approach:**

The application we have decided to go with for our CLC project is a Bible Verse database complete with a search feature. The user will be able to search the bible verse for the search word or sentence, the application will return any matches with the bible book, chapter, and verse. User will also be able to search for bible verse by inputting a book name, chapter and verse.

**Key Technical Design Decisions:**

Application is built using .NET MVC framework in Visual Studio using C# code. The application will use MSQL database for backend storage. Bootstrap for front-end UI, html, css. The application will be deployed on Azure cloud hosting.

**ER Diagram:**

*A screenshot of a computer

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*A picture containing text

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**DDL Scripts:**

[*https://github.com/AbeuovDaniyar/BibleApp*](https://github.com/AbeuovDaniyar/BibleApp)

**Sitemap Diagram:**

*Graphical user interface, application

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**Security Design:**

This application will not feature any user authentication, roles or privileges. All the user input will have constraint validation. The search string will not exceed 150 characters, and will specify the data type.

**Flowcharts:**

*Insert any flowcharts here. Flowcharts should document algorithms or workflow that will be implemented in your program. At a minimum, this section should contain a flowchart of your shopping experience.*

**User Interface Diagrams:**

Diagram

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Figure SearchVerse

Table

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Figure Search Verse Result Page

Table

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Figure Search Bible Text Results page

**Class Diagrams:**

Graphical user interface, text

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