*CS3354 Software Engineering Final Project*

*Deliverable 1*

**Readary**

(An App for Book Lovers)

**The Group Members**

Aisha Ashfaque

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Joel Francis

Junaid Hashmi

Priscilla Adomako

**Date**

March 15, 2019



# Feedback on Project Draft comments:

Our proposal was approved without a recommendation for any change. However, our plan will be adjusted based on the fact that one of our team members, Michael Elizalde, has joined another project team and is no longer part of our team.

Based on the comments we received, we surveyed and found several similar apps already in use. The most surprising discovery was to find an app named *Bookish*, our proposed app name. Consequently, we have renamed our product to *Readary.* Other than reshuffling of responsibilities due to loss of a team member, this is the biggest change we incorporated.

Since we found similar products already in use, we will do a detailed comparison as part of our final project report. For now, we would like to mention an additional feature to be included in our project in order to distinguish it from other similar products in the market.

* 1. Addition to previously stated purpose

We will incorporate a MUTE function in the app to allow users to silence notifications as follows:

* + 1. Audio notification may be turned on/off in application setup
    2. Notification messages may be muted (turned on/off in application setup)
    3. Notification messages may be muted until a future date provided by user

***NOTE:*** URL for our project GitHub is: <https://github.com/CS3354-Readary>

# Task Delegation:

|  |  |
| --- | --- |
| Name | Task Delegation |
| Dante Moreno | Team Proposal, Create GitHub Repository and Add Team Members, Software Requirements, Addressing Feedback, Presentation |
| Aisha Ashfaque | Team Proposal, Software Requirements, Cost Effort and Pricing Estimation, Software Test Plan, Presentation |
| Junaid Hashmi | Commit README, Architectural Design, Project scheduling, Citing references, Presentation |
| Joel Francis | Team Proposal, Class diagram, Project Scheduling, Software Requirements, Software Test Plan, Presentation |
| Priscilla Adomako | Team Proposal, Sequence Diagram, Cost Effort and Pricing Estimation, Comparison and Conclusion, Presentation |
| Emily Wojciechowski | Project Scope file, Use Case Diagram, Citing References, Comparison and Conclusion, Presentation |

# Software Process Model:

The software process model that will be employed with this project is the spiral model. The spiral model contains development cycles, in which risk management is considered before employing an addition to a prototype. Since Readary’s architecture features multiple systems interacting with a database, it would make sense any risks are considered before implementing to ensure that no additional feature negatively affects the database.

# Software Requirements:

Aisha, your functional and non-functional requirements go in this section.

# Use Case Diagram:

Determine how many use case diagrams are needed to describe the project fully. Then add each diagram in a separate subsection under section 5 here. For example, 5.a) and 5.b).



# Sequence Diagram:

There needs to be a sequence diagram for each use case diagram in section 5. Please coordinate with the team member that is working on section 5 to complete this section.

# Class Diagram:

Please provide one comprehensive class diagram in this section, which includes cardinalities, aggregation/generalization (as applicable), and attributes and methods of each class.

# Architectural Design:

The central part of Readary is a centralized DBMS. Therefore, our architectural choice is a central repository pattern. A high level architecture is shown below:

User

Authentication &

Preferences

REPOSITORY

Analytics

 Author/Publisher

Books/Summary

Likes/Dislikes

Reviews/Critiques

Apps Interface

Web Interface

Admin

Web Services and 3rd party interfaces