CS 411 – Software Engineering

Term 1 – 2022/2023

**Project Proposal Form**

**Group #: 2**

**Members of the Group:**

|  |  |  |  |  |
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* **Title of the Project:**

**Goodreads application development**

* **Introduction of the Project**

Nowadays and due to the rapid change in the digital world, it became essential for any systems provider to ensure that the service they provide meets the audience's needs concurrently with these massive changes in technology. The Goodreads application has been chosen for our project, it is an American social cataloging application that allows individuals to search its database of books, annotations, quotes, and reviews. Users can sign up and register books to generate library catalogs and reading lists. The app is designed to help readers discover new books by searching titles or authors, and it provides curated recommendations from the books you have read and reviewed.

* **Problem Statement:**
* Users can’t choose their perforable language since the application supports English only. As a result, not many users are having their best experiences so, in order to change that the developed system will allow the users to choose their desired language.
* Enable users to interact and share their reviews via various kinds such of media such as, gifs, pictures and short videos rather than just writing long paragraph.
* As a way to keep up with any progress using the developed application users will have the experience of connecting smart devices such as Apple Watch to display detailed information about their statistics and reading activity.
* The application does not support the filtering feature to choose the desired date and language. We also aim on developing this feature to make sure that users are satisfied with their experience.
* The application doesn’t have an AI auto reply to Bot and that’s something essential each up-to date application should have to help with any customers issues, questions and raise customer satisfaction.
* **Project Proposal Description:**

We aim to improve the Goodreads Application to meet the current customers’ needs and that’s by:

1. Adding a feature that allows users to choose their perforable language.
2. Providing Books, podcasts and book summaries written by the application professional reviewers given a full access for materials for users who get to use the application with the prime experience. Also providing a free trial which allow users to access all the materials but limit the features that need a subscription.
3. Enable users to interact and share their reviews via various kinds of media such as, gifs, pictures, and short videos rather than just writing long paragraph. Beside developing filtering feature to enable users to choose the desired date and language when viewing the reviews.
4. Developing algorithm that works on finding materials that matches the user preference using the current user activates.
5. Adding a feature for connecting smart devices such as Apple Watch to display detailed information about users’ statistics and reading activity.
6. Adding AI auto reply to Bot and that’s something essential each up-to date application should have to help with any customers issues, questions and raise customer satisfaction.
7. Allowing users to set various goals that can be conducted through time period chosen by users.

* **Project Objectives:**

1. Support different languages
2. Operate as distributed system.
3. Enhance the customer’s satisfaction.
4. Improve overall customer’s experience.

* **Project end user:**

Readers and writers who are interested in this application are our target audience.

* **Project Success Criteria:**
* The project should be user friendly.
* All project deliverables are completed by the agreed upon time.
* The cost should be relatively low, and the software should be developed in the defined budget.
* The project should serve the needs of all end users and ensure their satisfaction with the result.
* **Solution Methodology:**

We will use the Agile model. This model takes the fundamental process activities and represents them as inter-leaved process which are specification, development and validation. To reflect changing customer requirements, this project is based on incremental development and customer feedback. we will utilize several tools and technologies including Java Programming Language on NetBeans IDE, Java Database Connectivity (JDBC), and SQL commands.

Date:

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Approved Not approved

Instructor\_\_\_\_\_\_\_\_\_\_\_\_\_Signature:

* **Comment**