SEM5640 Group Project

Group Report

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# Overview

In this project, our task was to design the Siarad system specified Appendix A. The system as a whole was a messaging system to enable students and lecturers to discuss topics on modules in a modern interactive way, similar to Blackboard (Bb) [1].

The system needed to allow for a multitude of users which were able to access specific material relating to the modules they were registered on; to notify these users when there was activity in their respective modules, and to facilitate specific searching for messages amongst other things.

The key outputs from this project were: The technical work (the Siarad system), this Group project report, Test Plan, Project Plan, Solr Technical Report [2], and the UML diagrams.

The technical work is broken down in to microservices and the design/implementation of this is described in the respective sections.

The group project report is broken down in to the following sections:

* Requirements – In this section we discuss about the final set of requirements that were agreed upon and justify any requirements that may had been removed or added.
* Development Methodology – In this section we discuss about the methodology we followed throughout the project, the advantages and disadvantages this methodology yielded, the difficulties it entailed, and the rationale for selecting the methodology.
* Design – In this section we discuss the design for the system, presenting the initial designs that were created, we also talk about the appropriateness of these designs for the specific solution we pursued.
* Implementation – In this section we discuss how we developed the system, as well as the problems we encountered and how we overcame them. This section also talks about technical changes made to the design as a result of certain implementations.
* Testing – In this section we discuss the test plan that was made in the design stage of the project, as well as how it was enforced throughout the project, and the different styles of testing that were pursued as well as their appropriateness to each section of the project.
* Status – In this section we discuss where the functional state of the project at the end of development as well as any bugs that currently persist in the system.
* Critical Evaluation – In this section we evaluate the effectiveness and suitability of our development methodology and the outputs we produced. We also explore what we would had done differently if we started again, and what we would want to do given more time.

The test plan, project plan, Solr Technical report [2], and UML diagrams are included within the report as appendices and are referenced and evaluated at the relevant sections.

# Requirements

# Development Methodology

# design

# Implementation

# testing

# Status

# critical Evaluation

REFERENCES

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| [1] Blackboard, Inc (2019). Blackboard website (online). https://uk.blackboard.com. (Accessed 10th January 2020)  [2] Solr, Apache. Apache website (online). https://lucene.apache.org/solr/. (Accessed 10th January 2020) |

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