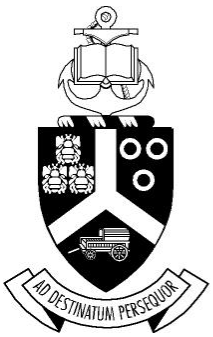

UNIVERSITEIT VAN PRETORIA
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Department of Information Technology

COS 301 - Software Engineering

COS 301 - Mini Project

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SIGNATURE: _____ DATE: _____

Software Requirements Specification and Technology Neutral Process Design

Buzz Space Discussions/Mini Project

Version: Version 0.1 Alpha

February 20, 2015

Contents

1 Introduction

This document specifies an discussion board which aims to add education befenits to the users. This is an attempt to redesign the idea of an discussion board. We aim to keep it as simple as possiable. Also adding functionality that will make if enjoyable to use. It must captivate the user attention and keep them involved in the discussions.

2 Vision

To provide a new perspective on discussion boards and how they can be used to benefit individuals. it must be educational and benefit the students. As most students using the discussion board we will attempt to recognize code and display it accordingly.

3 Background

The project was introduced to us by the Univeristy of Pretoria. Vreda Pieterson a lecture at the University has been trying to find a way to get students more involved. Currently the discussion boards are under utilized. They are also looking for a modular system that can be integrated into their current website. This will be a educational benefit to the students.

4 Arcitecture requirements

The program will be accessed throught the web. We will follow a responsive design approach. This will make our web application avalible on both Desktop and mobile devices of various screen sizes. It will also be necessary to be modular. So that the application can integrate into the a existing echo system.

4.1 Access channel requirements

Mobile Devices	Students are using devices frequently.
Desktop Computers	This will be our main focus
Restful webserver clients	...

4.2 Quality requirements

4.3 Integration requirements

4.4 Architecture constraints

JavaEE, JPA and JPQL, JSF, HTML, AJAX.

5 Functional requirements

5.1 Use case prioritiation

Critical Important Nice-To-Have

5.2 Use case/Service contracts

Pre-Conditions Post-Conditions Request and Results Data Structures

5.3 Required functionality

5.4 Process specification

5.5 Domain Model