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COS301 Mini Project Testing Infrastructure

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Here's a link to Github.
`https://github.com/MatthewGouws/COS301_Testing_infrastructure`

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1 History

Date	Version	Description
21-04-2015	Version 0.1	Document Template Created
22-04-2015	Version 0.1.1	Added Authorization for B
22-04-2015	Version 0.1.2	Added Authorization for A
22-04-2015	Version 0.1.3	Added Notification Table
22-04-2015	Version 0.1.4	Added introduction
22-04-2015	Version 0.1.5	Added uses cases for Buzz B
22-04-2015	Version 0.1.6	Added uses cases for Buzz 1

Contents

2 Introduction

This document contains: Part 1 the functional testing phase for each mid level parts Buzz A and Buzz B. Each section with show the success or the failure of each part. This contains all violations of the contract requirements. pre- and post- conditions should be tested for all the violation and the data structure requirements. For all the testing, an analysis report of the percentage cases will be given that will depict the amount of work done and the successfulness of the sections in the implementation

Part 2 the non-functional testing phase. This part contains the performance, scalability, maintainability, reliability, usability of the application and problems associate with the system.

3 Purpose

The purpose of this task was to test functionality provided by mid-level integration for infrastructure, which consisted of Notification, Authorization, Spaces and CSDS.

4 Project Scope

The scope of the integration for infrastructure was to combine all functional teams code in a manner which could be used by top level integration. From what has been discovered and explained further in this document it shows that both teams A and B have failed to do so. Team A was very difficult to try and decipher. With missing dependencies, while Team B only had mock functionality.

5 Functional

5.1 use cases and results

5.1.1 Authorization

Use Case(s)	Buzz A	Buzz B
addAuthorizationRestriction	Only mock functionality,but works	Only Mock functionality, does not run
updateAuthorizationRestriction	Only mock functionality,but works	Only Mock functionality, does not run
removeAuthorizationRestriction	Only mock functionality,but works	Only Mock functionality, does not run
getAuthorizationRestriction	Only mock functionality,but works	Only Mock functionality, does not run
isAuthorized	Only mock functionality,doesn't work	Only Mock functionality, does not run

5.1.2 Notification

Use Case(s)	Buzz A	Buzz B
Daily Email - Sends Daily Email.	Could not npm install, Missing dependencies, thus would not run	Only Mock functionality, does not run
Delete Notification - Checks if the user should receive a notification	Could not npm install, Missing dependencies, thus would not run	Only Mock functionality, does not run
Edit Notification Settings - Edits the notifications	Could not npm install, Missing dependencies, thus would not run	Only Mock functionality, does not run
Web Notification - returns a list of notifications for the specified user	Could not npm install, Missing dependencies, thus would not run	Only Mock functionality, does not run
Register For Notification - Allows a user to register for notifications on a thread, to specified users	Could not npm install, Missing dependencies, thus would not run	Only Mock functionality, does not run
Standard Notification - When a user adds a new thread it sends notifications to a list of registered users	Could not npm install, Missing dependencies, thus would not run	Only Mock functionality, does not run

6 Non-functional

6.1 Performance

Stub - This will be added in the future

6.2 Scalability

Stub - This will be added in the future

6.3 Maintainability

Stub - This will be added in the future

6.4 Reliability

Stub - This will be added in the future

6.5 Usability

Stub - This will be added in the future

6.6 Availability

Stub - This will be added in the future

6.7 Manageability

Stub - This will be added in the future

6.8 Security

Stub - This will be added in the future

6.9 Monitorability and Auditability

Stub - This will be added in the future

6.10 Integrability

Stub - This will be added in the future

7 References

Stub - This will be added in the future