UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA

NavUP
Longsword Testing Report

Compiled By

Lucian Sargeant - u15225560
Ritesh Doolabh - u15075754
Peter Boxall - u14056136
Claude Greeff - u13153740
Harris Leshaba - u15312144
Hristian Vitrychenko - u15006442

GitHub Repository: COS 301 Team Longsword Data GitHub Repository(Phase 4)

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TEAM LONGSWORD (DATA)

Contents

1 Introduction

For this phase we will be testing the Data module of the BroadSword Team. We have split the testing phase according to Functional Requirements, Non-Functional Requirements and Use Cases.

Their code was primarily coded in Python and used a NSQ message processing system. We will be testing the various cases and giving a brief description of how we tested followed by an explanation of the mark that was given to them.

2 Service Contracts

2.1 Retrieving and passing device MAC address.

2.2 Logging in and maintaining a session with Aruba ALE.

2.3 Processing the request and retrieving location.

2.4 Returning a location to the source of the request.

3 Non-Functional Requirements

3.1 Level of concurrency of the task.

3.2 Performance of the request processing (time taken to receive a response).

3.3 Maintainability and modularity of the code and repository.

3.4 Integrability and ease of transfer into a final system.

4 Use Cases

4.1 Upstream communication.

4.2 Downstream communication.