**Acceptance Test Plan**

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**Feb 23, 2018**

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# 1 Introduction

The initial acceptance test document will outline a plan for the Natural Language to Graph Query project. Natural Language to Graph Query will provide another way of querying, making it simpler for an untrained user to interact with graph databases. Testing is crucial to ensure requirements are met as well as modules are valid.

# 2 Approach

# 

## 2.1 Introduction

Approach will outline the methods of testing and reasoning behind them.

## 2.2 Objectives

These tests will make sure requirements are met and fully functional as per requested. Testing ensures module compatibility through multiple test cases.

## 2.3 Exclusions

As of right now, there are no modules to be tested. Thus the tests may be subject to change.

# 3 Criteria

In order for an Acceptance test to take place, certain criterion must be met:

a) Source code is available to test

b) Testing environment is set up

c) Requirements checked and updated

d) Test cases written

e) Scrum leader consent

f) Client consent

During testing, requirements should be fully noted and testers should be familiar with the functionality of the project.

Findings will be reported on JIRA as they arise

# 

# 4 Testing

## 

## 4.1 Introduction

Test cases will be listed in this section of the document with how the tests are initiated and completed as well as the requirements of the test. As of now, there are only a few test cases as our implementation is still in its early stages.

## 

## 

## 4.2 Test Cases

|  |  |  |
| --- | --- | --- |
| **#** | **Area** | **Issues / Risks** |
| 1 | Input | Wrong input,  Object not accepted |
| 2 | Simple Label Query | Parses wrongly, tag mismatch - NLTK |
| 3 | Simple Property Query | Parses wrongly, tag mismatch - NLTK |
| 4 | Connect to Database | Incorrect credentials, no connectivity, no such database |
| 5 | Execute Query | Syntax Incorrect, case-sensitivity, incorrectly parsed query executed |

4.3 Test Schedule

|  |  |  |
| --- | --- | --- |
| **Date** | **Item to test** | **Notes** |
| TBA | Input | Input should be checked and cleaned |
| TBA | Simple Label Query | Multiple labels still not implemented. Some tags get misclassified by NLTK. |
| TBA | Simple Property Query | Requires a certain structure |
| TBA | Connect to Database | Remote access must be allowed if done not on server computer |
| TBA | Execute Query | Need to implement input to query |

4.4 Test Results

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Description** | **Results** | **Notes** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |