

Landgate API Test

Abstract

Acknowledgements

Table of Contents

- [Landgate API Test](#)
 - [Abstract](#)
 - [Acknowledgements](#)
 - [Table of Contents](#)
 - [List of Figures](#)
 - [List of Tables](#)
 - [Introduction](#)
 - [Landgate](#)
 - [Web Services](#)
 - [Open Geospatial Consortium Web Map Service](#)
 - [Open Geospatial Consortium Web Feature Service](#)
 - [Google Maps Engine](#)
 - [Esri ArcGIS for Server and ArcGIS ReST API](#)
 - [Literature Review](#)
 - [Similar Work](#)
 - [Web Service Quality and Discovery](#)
 - [Web Service Evaluation](#)
 - [Acceptance](#)
 - [Materials and Methods](#)

- Generalised Workflow
- Data Model and Structures
 - TestMaster
 - TestEndpoint
 - LocationTest
 - NetworkTest
 - PingTest
 - ReferenceObject
 - Vector
- iOS Mobile Application
 - Mobile Application Design Principles
 - iOS Application Architecture
 - Swift Open Source Packages
 - Realm Mobile Database
 - Transporter State Machine
 - Reachability
 - KDCircularProgress
 - Hardware
- Google Apps Engine Web Service
 - Web Service Design Principles
 - Python Application Architecture
 - Python Open Source Packages
 - Matplotlib
- Other Applications Deployed
- Results
- Discussion
- Recommendations
- Future Work
- Conclusions
- References
- Appendix A

- [Web Service Requests](#)
- [Appendix B](#)

List of Figures

List of Tables

Introduction

Landgate

Web Services

Open Geospatial Consortium Web Map Service

Open Geospatial Consortium Web Feature Service

Google Maps Engine

Esri ArcGIS for Server and ArcGIS ReST API

Literature Review

Similar Work

Web Service Quality and Discovery

Web Service Evaluation

Acceptance

Materials and Methods

Generalised Workflow

Data Model and Structures

TestMaster

TestEndpoint

LocationTest

NetworkTest

PingTest

ReferenceObject

Vector

iOS Mobile Application

Mobile Application Design Principles

iOS Application Architecture

Swift Open Source Packages

Realm Mobile Database

Transporter State Machine

Reachability

KDCircularProgress

Hardware

Google Apps Engine Web Service

Web Service Design Principles

Python Application Architecture

Python Open Source Packages

Matplotlib

Other Applications Deployed

Results

Discussion

Recommendations

Future Work

Conclusions

References

Appendix A

Web Service Requests

Appendix B
