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| The Fighting Mongooses  Petrol Station Locator  Project Review and Closure Report |
| Version: 1.0 Date: 19/11/2012 |
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# Executive Summary

## Background

To create a website holding a Google map containing petrol station locations across all of Australia. In addition, the website will provide users with directions to the nearest petrol stations and is able to find those with specific fuel types and services.

## Reason for Closing the Project

All features and outputs of the project have been delivered to the customer.

## Recommendations

1. Continue maintenance of datasets including coordinates as this is not done by the petroleum companies.
2. Continue to add new datasets as needed.

# Project Performance

## Performance against Objectives

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| --- | --- | --- | --- |
| **Milestones** | **Deliverables** | **Date** | **Completion Status** |
| Initiation and Analysis | * Project Charter * Project Plan * Risk Log * Issues Log * Feasibility Study | Week 5-8 | Complete |
| Design | * Website design storyboard * Website design wireframe * Code Design | Week 8 | Complete |
| Development | * Graphics Design * Collecting Datasets * Cleaning Datasets * Google Maps Integration * Dataset Integration * Refined Search Functions | Wk 9-12 | Complete |
| Testing | * Unit Testing * User Acceptance Testing * Bug Fixing | Wk 13 | Complete |
| Supporting Documentation | * User Manuals * Code Specifications * Maintenance Documentation Testing Documentation |  | Complete |
| Release | * Final release of project | Wk 13 | Complete |
| Close | * End of project | Wk 14 | Complete |

# Lessons Learnt

## What Worked Well?

RAD methodology worked very well. The project team had not worked with the Google Maps API before and using a RAD methodology allowed the team to skip a lot of the design phase and figure out how the Google Maps API worked while we were developing it. The whole project could easily be divided into iterations of quick feature development so that we could develop the website feature by feature. A few issues were ran into along the way like the datasets not containing coordinates and then the Google Maps API not allowing us to do a large amount of geocoding requests but could be worked around by changing the design during development.

The directions feature was decided on right from the start despite our team not knowing whether or not the Google Maps API had features that could support it. While in the development of the feature it was found that the Google Maps API returns an array of coordinates along the path between the origin and the destination.

## What could be improved?

Using a more structured development methodology with a longer design phase may have allowed us to avoid some of the issues we ran into using the RAD methodology. A longer design phase may have meant that we knew about geocoding limits and also more of the Google Maps API functionalities may have led to a smoother development phase and a better end product.

# Closure Activities

Project Staff – Project staff and the development team have all been moved on the new projects

Issues Management – No outstanding issues at current time

Risk Management – All unresolved risks are transferred to the customer

Records Management – Records will be kept for a minimum of 4 years in electronic storage