COMP1682 Final Report

**Project Name**

**Student Name**

**Supervisor: \*\*name\*\***

**Final Year Report**

**COMP1682 Final Year Project**

**Program Title: BSc Hons Computing**

**Word count: 10.000 (Minimum)**

**Abstract**

An abstract is a brief summary of your project: for Endeavor abstracts, fewer than 350 words. It is used typically for academic presentations to give the reader a synopsis of the research project, and it can also be used to summarize a creativity project.

Sample’s abstract:

Project Name: **Using GIS Site Suitability Analysis to Study Adaptability and Evolution of Life: Locating Springs in Mantle Units of Ophiolites**

GIS is a powerful tool that can be used to locate springs sourced in ophiolites. The unique features associated with these springs include a reducing subsurface environment reacting at low temperatures producing high pH, Ca-rich formation fluids with high dissolved hydrogen and methane. Because of their unique chemical characteristics, these areas are often associated with microbes and are thought to be similar to the features that enabled life to evolve on Earth. Locating and sampling these springs could offer a deeper look into Earth's deep biosphere and the history of life on Earth. Springs have traditionally been located using expensive and time-consuming field techniques. Field work can be dangerous. The goal of this study was to develop a model that could locate these unique geological features without first going into the field, thus saving time, money and reducing the risks associated with remote field localities. A GIS site suitability analysis works by overlaying existing geo-referenced data into a computer program and adding the different data sets after assigning a numerical value to the important fields. For this project, I used surface and ground water maps, geologic maps, a soil map, and a fault map for four counties in Northern California. The model has demonstrated that it is possible to use this time of model and apply it to a complex geologic area to produce a usable field map for future field work.

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Furthermore I would also like to acknowledge with much appreciation the crucial role of the staff of [Ms/Mr/Dr Surname], who gave the permission to use all required equipment and the necessary materiasl to complete the task “SPECIFY NAME”. A special thanks goes to my team mate, [Ms/Mr/Dr Surname], who help me to assemble the parts and gave suggestion about the task “SPECIFY NAME”. Last but not least, many thanks go to the head of the project, [Ms/Mr/Dr Surname] whose have invested his full effort in guiding the team in achieving the goal. I have to appreciate the guidance given by other supervisor as well as the panels especially in our project presentation that has improved our presentation skills thanks to their comment and advices.

Table of contents

[1. Introduction 6](#_Toc75328023)

[1.1 Background 6](#_Toc75328024)

[1.2 Aim 6](#_Toc75328025)

[2. Objectives 7](#_Toc75328026)

[3. Approach 8](#_Toc75328027)

[3.1 Justification of the suitability of a Methodology or a Framework followed. 8](#_Toc75328028)

[4. Literature Review 9](#_Toc75328029)

[4.1 Approach to literature searching 9](#_Toc75328030)

[4.2 Technology A 9](#_Toc75328031)

[4.3 Technology B 9](#_Toc75328032)

[4.4 Technology C 9](#_Toc75328033)

[4.5 Market analysis 9](#_Toc75328034)

[5. Legal, Social, Ethical and Professional Issues and Considerations 10](#_Toc75328035)

[6. Requirements 11](#_Toc75328036)

[6.1 Analysis of requirements 11](#_Toc75328037)

[6.2 Existing Solutions 11](#_Toc75328038)

[6.2.1 Product A 11](#_Toc75328039)

[6.2.2 Product B 11](#_Toc75328040)

[6.2.3 Product C 11](#_Toc75328041)

[6.2.4 Conclusion 11](#_Toc75328042)

[7. Business Requirements 12](#_Toc75328043)

[7.1 Overall Picture 12](#_Toc75328044)

[7.2 Functional Requirements with MoSCoW prioritisation 12](#_Toc75328045)

[7.3 Non-functional Requirements 12](#_Toc75328046)

[8. Analysis and Design 13](#_Toc75328047)

[8.1 Architecture 13](#_Toc75328048)

[8.2 High Level Design 13](#_Toc75328049)

[8.2.1 Assumptions 13](#_Toc75328050)

[8.2.2 Overall 13](#_Toc75328051)

[8.2.3 Endpoints 13](#_Toc75328052)

[8.2.4 3rd party Services 13](#_Toc75328053)

[8.3 Technology choices 13](#_Toc75328054)

[8.3.1 Front End 13](#_Toc75328055)

[8.3.2 Back End 13](#_Toc75328056)

[8.3.3 Mobile App 13](#_Toc75328057)

[8.4 Use case Diagram 13](#_Toc75328058)

[8.4.1 Primary and Secondary Use-case scenario 13](#_Toc75328059)

[8.5 Entity Relationship Diagrams 13](#_Toc75328060)

[8.5.1 Physical design (Capacity) 13](#_Toc75328061)

[8.6 Wireframes for prototypes 13](#_Toc75328062)

[8.7 Class Diagram 13](#_Toc75328063)

[8.8 Activity Diagram / Sequence Diagram 13](#_Toc75328064)

[9. Implementation 14](#_Toc75328065)

[9.1 Database 14](#_Toc75328066)

[9.2 Front End 14](#_Toc75328067)

[9.3 Back End 14](#_Toc75328068)

[9.4 Deployment 14](#_Toc75328069)

[9.5 Images 14](#_Toc75328070)

[10. Testing 15](#_Toc75328071)

[11. Evaluation 16](#_Toc75328072)

[11.1 Summarised Key findings from the project 16](#_Toc75328073)

[11.2 Recommendations for future development 16](#_Toc75328074)

[11.3 Project Evaluation 16](#_Toc75328075)

[11.4 Personal Evaluation 16](#_Toc75328076)

[11.5 Conclusion 16](#_Toc75328077)

[11.5.1 What went well? 16](#_Toc75328078)

[11.5.2 What did not go well? 16](#_Toc75328079)

[11.5.3 What have I learned from this project? 16](#_Toc75328080)

[11.5.4 Future development 16](#_Toc75328081)

[12. References 17](#_Toc75328082)

[13. Appendix A – Project Proposal 18](#_Toc75328083)

[14. Appendix B 19](#_Toc75328084)

[15. Appendix C 20](#_Toc75328085)

# Introduction

## Background

## Aim

# Objectives

# Approach

## Justification of the suitability of a Methodology or a Framework followed.

# Literature Review

## Approach to literature searching

## Technology A

## Technology B

## Technology C

## Market analysis

# Legal, Social, Ethical and Professional Issues and Considerations

# Requirements

## Analysis of requirements

## Existing Solutions

### Product A

Introduction

Pros

Cons

### Product B

Introduction

Pros

Cons

### Product C

Introduction

Pros

Cons

### Conclusion

# Business Requirements

## Overall Picture

## Functional Requirements with MoSCoW prioritisation

## Non-functional Requirements

# Analysis and Design

## Architecture

## High Level Design

### Assumptions

### Overall

### Endpoints

### 3rd party Services

## Technology choices

### Front End

### Back End

### Mobile App

## Use case Diagram

### Primary and Secondary Use-case scenario

## Entity Relationship Diagrams

### Physical design (Capacity)

## Wireframes for prototypes

## Class Diagram

## Activity Diagram / Sequence Diagram

# Implementation

## Database

## Front End

## Back End

Structure Application

Controller / Views / Database …

## Deployment

## Images

# Testing

# Evaluation

## Summarised Key findings from the project

## Recommendations for future development

## Project Evaluation

## Personal Evaluation

## Conclusion

### What went well?

### What did not go well?

### What have I learned from this project?

### Future development

# References

# Appendix A – Project Proposal

# Appendix B

# Appendix C