

CS958 – July Progress Report

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Summary

Reminder: a web-based application for GPS mapping the Scottish Highlands. Based on the Ordnance Survey Leisure mapping API and Leaflet JavaScript library. It is written in HTML, CSS and JavaScript.

Checklists

Revised lists from June Progress Report, new addition: ‘To-Do’

Application

- JSON master building – **Complete**
- GPX route file gathering – **Complete**
- “Drafting Room” page
 - Route and mountain ‘Overview’ (JSON) – **Complete**
 - Ability and equipment ‘Conditioning’ analyser (JSON) – **Complete**
 - OpenWeather API ‘Weather’ application – **Complete**
- “Conquest Map” page
 - OS base map implementation – **Complete**
 - Location tracking – **Complete**
 - Distance measuring – **Complete**
 - Project automated suggestions
 - Feature toggle on/off (JSON) – **Complete**
 - Ability and equipment querying (JSON) – **Complete**
 - Route querying (JSON) – **Complete**
 - Route printing (GPX) – **Complete**
 - Landmass querying (JSON) – **Complete**
 - Various non-essential JavaScript elements – **Complete**
- Graphic design – **Complete**
- Photo manipulation – **Complete**
- Informative research and writing (keys and ‘suggested readings’ etc.)
- Photo gathering

Write-Up

SECTION 1	<i>Introduction</i>	Complete
SECTION 2	<i>Research & Evidential Background</i>	Complete
SECTION 3	<i>System Requirements</i>	Complete
SECTION 4	<i>Data Gathering</i>	Complete
SECTION 5	<i>System Design</i>	Complete (Under Review)
SECTION 6	<i>System Construction</i>	Complete (Under Review)
SECTION 7	<i>Evaluation</i>	Under Construction
SECTION 8	<i>Development Conclusions</i>	

To-Do

- Application
 - Comment code in more depth
 - Homepage find nearest project
 - Conquest find nearest project
 - Finish weather suggested reading (cloud types)
 - Filter routes by ability
 - Filter routes by equipment
 - Update various old terminology
 - Complete ability and equipment photo gathering
- Write-Up
 - General: Short, 1 sentence, intros to all sections
 - General: Fix double table lines
 - Section 2 / A Appendix: Finish Walkhighlands and Strava heuristics write-up (A1/A2)
 - Section 5 / A Appendix: Finish remaining functions (A6)
 - Section 7: Page prototyping demonstrations
 - Section 7 / A Appendix: Continuous testing Q&As
 - Section 7 / A Appendix: Isolated/Comprehensive testing surveys
 - Section 7 / A Appendix: ElasticSearch and Kibana
 - Section 7: Write
 - Section 8: Write