

Software Requirement Specification for Shopping Route Recommender

Luka Cakic (671913), Ronen Freeman (386910), Devin Taylor (603956) and Matthew Marsden (609293)

March 6, 2016

1 Introduction

- 1.1 Purpose*
- 1.2 Document Conventions*
- 1.3 Intended Audience and Reading Suggestions*
- 1.4 Project Scope*
- 1.5 References*

2 Overall Description

- 2.1 Product Perspective*
- 2.2 Product Perspective*

The Shopping Route Recommender is an application used by consumers to maximise their shopping experience in terms of three preferred optimisations: minimum cost, travel distance and travel time. The consumer is able to log onto a Website or Smartphone application and create a shopping list with a route being generated. Enabling a user to optimise their shopping experience is a potential success from the start, as their daily routines can become more efficiently and effectively undertaken.

- 2.3 Product Features*
- 2.4 User Classes and Characteristics*
- 2.5 Operating Environment*
- 2.6 Design and Implementation Constraints*
- 2.7 User Documentation*
- 2.8 Assumptions and Dependencies*

3 System Features

- 3.1 System Feature 1 -*
- 3.2 System Feature 2 -*

3.3 System Feature 3 -

4 External Interface Requirements

4.1 User Interfaces - GUI

4.2 Hardware Interfaces

4.3 Software Interfaces

4.4 Communications Interfaces

5 Other Non-functional Requirements

5.1 Performance Requirements

5.2 Safety Requirements

5.3 Security Requirements

5.4 Software Quality Attributes

5.5 Other Requirements

References

- [1] Fluid Switch. *Airplane Fuel Gauges: How they Work, Challenges, & Solutions*. Fluid Switch. URL: <http://www.fluidswitch.com/blog/airplane-fuel-gauges/>. [Accessed: February 15, 2016]