CS807 - Final Project

André E. dos Santos
Jhonatan S. Oliveira

March, 2016

University of Regina

Department of Computer Science

Resource Constrained Computing

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André E. dos Santos
Jhonatan S. Oliveira

1. Reviewer   Dr. David Gerhard
Department of Computer Science
University of Regina

2. Reviewer   Mr. Trevor Tomesh
Department of Computer Science
University of Regina

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3737 Wascana Pkwy

Regina, S4S 0A2

Abstract

[TODO]

Contents

Introduction

> *People with disabilities should be able to access,*
> *interpret and bene t from the results of research*
> *and knowledge development projects.*
>
> — **[1]**
> (TODO)

the proposal

the tools

the problems

the results

[TODO]

Background

TODO.

— **TODO**
(TODO)

The Project 3

3.1 Introduction

3.2 Related Works

3.3 The Platforms

Meteor.

Raspberry Pi.

3.4 Implementation

Design process.

How the project works.

- Administration scheme: - Services - Data - Knowledge tree - The tree is built in server not in client - External - Map with key-value being the key the name of the external service and the value a function which runs the service

- Searching the tree - scoring the tree with one pass - problem: when we have the query found in the parent and child. Eg: tainara -> tainara@gmail.com

3.5 Results

Failures and successes.

The Ex-Project

4

> *TODO.*
>
> — **TODO**
> (TODO)

The initial plan for our final project included a service inside the app for indoor navigation. The idea was to allow the user to ask for a location within the University of Regina main campus and the app would trace a route from where the device hosting the app is to where the user requested. Indoor navigation itself is a complex and well known task problem in computer science and engineering. Our primary focus was to use some already available solution for indoor navigation, instead of trying to come up with our own solution. In this way, we wanted to show how resource constrain devices can still be used to provide such service by using cloud computing.

We did a broad research on publicly available solutions for indoor navigation, including paid, free or open source ones.

Conclusion

> *TODO.*
>
> — **TODO**
> (TODO)

Bibliography

[1] Federal disability reference guide. Human Resources and Skills Development Canada, Gatineau, Québec (2012)