**Herald!**

**Requirements Document**

**Ver. 1.0**

**Table of Contents**

1. [Application Overview](#_Application_Overview)
   1. [Objective](#_Objectives)
   2. [Business Process](#_Business_Process)
   3. [User Roles and Responsibilities](#_User_Roles_and)
   4. [Interaction with other systems](#_Interactions_with_Other)
   5. [Replacement of Legacy Systems](#_Replacement_of_Legacy)
   6. [Terminology](#_Terminology)
2. [Functional Requirements](#_Functional_Requirements)
   1. [Statement of Functionality](#_Statement_of_Functionality)
   2. [Scope](#_Scope)
   3. [Performance](#_Performance)
   4. [Usability](#_Usability)
   5. [Concurrency](#_Concurrency)
3. [Appendices](#_Appendices)
   1. [Author(s) background and expertise](#_Author’s_background_and)

# Application Overview

## Objectives

This app will be used to send text message updates of the user’s current location and/or time to the destination to contacts the user has chosen.

## Business Process

## User Roles and Responsibilities

Users are customers who are of driving age and own an android smartphone. The system will send automatic text updates on their travel progress to a specified receiver.

## Interactions with Other Systems

This application will interact with Google Maps to find travel time, the android texting app to send updates, and the Contacts app to source phone numbers.

## Replacement of Legacy Systems

Twist

OnMyWay

## Terminology

# Functional Requirements

## Statement of Functionality

The user will interface with Android’s Maps features to select a destination and the Contacts feature to select recipients of the travel updates. The travel updates will consist of one or more of the following: a) the user’s location, and b) the user’s estimated time to the destination.

### Receiver-

Zolotnik will allow the user specify a user, by phone number (interfacing with Contacts), to receive the text updates.

### Start Point-

Zolotnik will always use the users current location as the start point in its communication with Google Maps.

### End Point –

Zolotnik will allow the user to specify an end location, by address; in its communication with Google Maps.

### Message Content-

Zolotnik will send a default message to the receiver.

### Update Interval-

Zolotnik will allow the user to select, from a list, the time interval between travel updates.

## Scope

All of the functionality in the above section is required for release.

## Performance

Zolotnik should correctly specify both location points in Google Maps.

## Usability

## Concurrency

# Appendices

## Author’s background and expertise

### Connor Pike

I am a 3rd year in the Computer engineering program at the University of Cincinnati. I have experience in Web App development, C#, C++, Javascript, HTML, XML and XAML. Through the co-op program I have worked for about a year as a software developer.

### Jacob Holbrook

I am in my third year at University of Cincinnati in Computer Engineering. I’ve worked with Python, C++, PHP, HTML, MySQL, C#, and others.