



v.3.0

# Functional Specifications/Scope of Work InTown

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## Table of Notifications

This Table represents the contacts in both companies as assigned currently.

Project	Name	Company
Project Requirements	Jesus S. Vidaurri-Martinez	InTown
Client Interface (Business)	Raj Srivastav	Software Developers Inc.
Client Interface (Technology)	Heather Stugen Mourougan C	Software Developers Inc.

## Inputs

- Jesus S Vidaurri-Martinez has asked us to review the possibilities of creating mobile apps on the basis of his ideas.

## Objective

- We have evaluated the the document provided by Jesus and have researched various options related to technology, build, other Apps and possibilities. We have created a list of functions to be included in this app for users to ensure wide spread acceptance and success.

## **Development Principles**

The Development principles of this App project will be:

- Mobile & Tablet based access and use
- Light elegant designs - Clear Branding, Clutterfree UI, optimal use of Screen space
- Smart Navigation Tabs, All functions accessible from the Dashboard
- Language of Development – English
- Language of Data Entry - English

## **Coding Standards**

- Industry standard SDK's (Apple and Google) will be used to create the Code and user interface design.
- The Apps will be available for distribution through a platform-specific App store
- PHP or .NET will be used to build the web services and server side scripting/Back-end. We will also provide a database which will be MySQL/MS SQL.

## **Features/Functions - User Version 1.1**

On launch, a user will view the splash screen and will be shown the dashboard. On the Dashboard, a user will be able to do the following

- The app will request that the user sync their login information from a social networking site of their choice - Facebook, Twitter, Linked-In.
- If the user skips the syncing/login of the social networking site, the user will be prompted to
  - InTown will request permission to access the users location, phone contacts, and social networking sites to pull their contacts information, and send push notifications
  - Create an account: user will be prompted to enter their personal information
    - Name
    - Hometown
    - Current city

- High school attended (show others you went to HS with and add as friends)
- College attended (show others you went to college with to add friends)

The user will then be directed to the Dashboard/Home screen with a Help overlay which will appear for the first time.

- The Dashboard/Home will include the following functions:
  - Friend Finder: The user can search for their friends location using their contacts
    - User will be able to search for contacts by Name and Zones.
  - Interactive map: the user will be able to see an overview of which cities/zones their contacts are located. This will not be a pin-point specific location, but will be zones which will be created by InTown
    - The map can be viewed in the native apps of each device
  - Time Machine: User can create future trips by inputting the dates and location of the trip.
    - User will be able to view a list of contacts currently in that city and who will be in that city at the same time.
  - Fast Forward: User can view their contacts travel schedule in the future (3 months)
  - Settings:
    - The user has the option to block contacts from viewing where they are. The user can choose to be seen by only friends(contacts) or friends of friends (contacts) -select the friends they want to see friends of friends
- Once the user is alerted that someone is in the same city as them:
  - User will be able to Touch the name and have the option to:
    - send a message (through the app)
    - send an e-mail
    - send an SMS text
    - call (if the user has the persons number)
    - contact the person through various social networking sites that they are connected in
    - share their detailed location (the specific place they are at rather than just the city)
  - User will be alerted in 2 ways:
    - A notification overlay with the contacts name that is in the same city as the user
    - The app icon will provide a Red dot iOS notification identifying the number of contacts that are in the same location as the user (also include people who will be in same place as user in the future)

- Coding functions:
  - Invoke the native GPS/messaging system
  - Invoke the phones native contact list
  - Invoke the phones native call app
  - Access friends information through social networking sites
  - Use 3rd party API's to access data
  - Create Algorithms to match future trip information upto 6 months in advance
  - Provide smart, quick responses to User's request by keeping most functions native

## **Build Tasks**

SDI will build Apps for the following platforms:

- Devices
  - iOS - iPhone 5
  - iOS - iPad
  - Android - Phone (2 devices)
  - Android Tablet (2 devices)

## **Investment details - Time & Cost**

We will be developing the Apps, the Web Services and the Backend which will power the algorithm and database.

**Apps - Front-end:** These are the Apps which users will download from the App stores.

**Web Services:** This is used to transfer data from the Apps to the Back-end and vice-versa

**Back-end:** Data will be stored, algorithms will process the data and results will be served to the App from the Back-end. There is no public interface to the back-end.

## **Investment Summary**

Platform	Timeline	Cost
iPhone	48 days	\$11,800
iPad	15 days	\$4,500
Android	48 days	\$6,500
Tablet	15 days	\$2,500

A website will be needed for approval on the iTunes store. This can be created once the apps are ready and will cost \$300.

## **Payment terms**

We request the following payment terms

- 50% upfront payment at contract signing
- 50% on delivery of the Apps. Apps will be submitted to the App stores after this payment is received by SDI

Payments can be made using credit cards or Bank wires/Checks

## **Assumptions**

Hosting - In-Town will provide a hosting account on a Cloud service for SDI to host the Back-end and web services.

API's - 3rd party services will provide their API's.

Native apps - Invoking a function on a Native app will depend upon the SDK.