

# **Project Requirements for a Notepad Mobile Application (Trunica)**

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**Version 1.03  
May 4, 2016**

## History of Document

- **Version 1.00** (January 26, 2016) – Notepad Mobile Application Requirements Document Initially Created.
- **Version 1.01** (February 5, 2016) – Requirements Document has been updated.  
**Version 1.02** (February 9, 2016) – Requirements Document has been updated once again after more feedback.
- **Version 1.03** (May 4, 2016) – Finalized version of the Requirements Document.

## 1. Introduction

The selected project is to create a notepad/sticky note mobile application which needs to be developed in Visual Studio 2015 IDE along with using the mobile application development framework, Apache Cordova. The problem that we are tackling is “How can we know what other people have noted at a specific location?” The main focus of this specific project is to incorporate the idea of “geo-targeting” or the geo-location feature. A *mobile application* is essentially a computer program which is generally designed to run on mobile devices such as smartphones and tablets. *Geo-location* has essentially the same function as a radar where it identifies the real-world geographic location of any specific object. It would also provide the correct positioning of where a specific item is found. The target users are anyone who are of age 4 and above. Also, the targeted audience need to have access to any type of mobile device, whether that be a smartphone or a tablet. Essentially, the mobile application will allow anyone who use it to have access to any type of “note” whether that be a review for a local restaurant or a reminder made by someone at any given location. Overall, this mobile application must be developed in the Visual Studio 2015 environment along with using the Apache Cordova software. The application needs to incorporate the concept of geo-location along with any other features which are considered unique in nature can also be added to the design of the mobile application.

## 2. Assumptions

The assumptions for this project are:

1. Students should have prior knowledge on HTML, CSS and JavaScript (at least an intermediate level skillset).
2. The mobile application needs to be developed in the Visual Studio 2015/Apache Cordova environments.

## 3. Requirements

The *six* requirements for this project are:

1. To develop a mobile application that will function as a notepad (i.e. Notepad Application) which will be developed/deployed in the Apache Cordova software (A cross-platform environment).
2. The mobile application needs to incorporate the concept of geo-location. For example, if the user made a note at the USF library, the application would be able to show that it was created at that spot. The longitude and latitude will be recorded from the location that a specific note is made. If no GPS signal exist at a particular location then the note will use the last known GPS location saved.
3. The notes saved in the notepad application would be pushed to the cloud. Usually in a given time frame of 1-2 minutes.
4. Users should be able to access any notes in a given radius of 30 - 50 miles depending on the specific location.
5. The application will have a privacy lock where the user decides whether or not to allow other users at a given location to access their notes.
6. The application should also have a delay note feature which would allow the user to write a note presumably at home or any other place after visiting a specific location (i.e., A person writes a note about a restaurant at home after eating dinner at that restaurant).