(CheckMyZip)

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**Software Requirements Specification**

**Document**

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# **1. Introduction**

*The following subsections of the Software Requirements Specifications (SRS) document should provide an overview of the entire SRS. The thing to keep in mind as you write this document is that you are telling what the system must do – so that designers can ultimately build it. Do not use this document for design!!!*

## **1.1 Purpose**

*The SRS is to help the designers sticking on what features they are going to utilize in the product. The primary function of the product is to provide useful and accurate information to those people who intend to move to new places. This document will provide information about the technology, processes, and design by which we generate data and create this product. This document requires at least an intermediate knowledge of technical jargon, especially in the field of "Computer Science."*

## **1.2 Scope**

*Our product will provide useful updates about their zip code. Also, the customer will be anyone who wishes to move to a new place but needs certain information that could help them make the best decisions when relocating. Some data provided includes school standing, crime rates, mode of transportation/commuting population, household income, several demographics, accessibility for the disabled, and amenities. The customers need to sign up or sign in if they have an existing account to use the app. They will provide their home zip code during sign up. Their home zip code will be used to give an update on the weather, traffic, and breaking news around their zip code. If they need information about another zip code, they will be able to search the zip code. A search generates results containing information about the zip code. Before searching, customer can prioritize/sort how the result gets presented, and trim/filter results based on specific needs. The application will be developed for Android devices using Android Studio's IDE. The software application fetches data from various databases, analyzes these data, and provides customers the information they sought.*

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## **1.5 Overview**

The remainder of this document will be organized into three different sections. The first of these sections will describe our software’s functionality, design, and usage as it relates to the consumer of our application. A general and simplistic understanding of the requirements of our software and other factors, including restraints and user perspective and interaction with the software, will also be in this section. The second of the three sections will be a detailed and precise overview of the development of our application. Specific software development methods and techniques used to create our software will be explained as well. Finally, the last section will provide the necessary approvals for our software as well as any remaining information we feel is important to the understanding of our mobile application.

# **2. The Overall Description**

*Describe the general factors that affect the product and its requirements. This section does not state specific requirements. Instead, it provides a background for those requirements, which are defined in section 3, and makes them easier to understand*. *In a sense, this section tells the requirements in plain English for the consumption of the customer. Section 3 will contain a specification written for the developers.*

## **2.1 Product Perspective**

*Our application is developed on Android Studio’s IDE. The application queries various government databases to fetch relevant data a customer might seek. To be different from existing apps that only provide static and one-time information, we will provide dynamic updates based on the user's primary zip code. The application aims to help people stay connected and aware of the happenings around the place they call “home”. In addition, it will help realtors gather enough data about a particular zip code to pitch to their clients, and help individuals who are looking to relocate, make more informed decisions.*