**Use Case Diagram**

The purpose of the diagram is to describe the Address Finder Application process. Here is the process that shows how the Use Case Diagram works for this application:

1 – The user inputs and enters the information in the application.

2 – The Client-side of the application sends the information to the application Server-side.

3 – With an interaction between the server-side and database, the USPS API will provide the information the client needs.

4 – The server-side will return the information to client-side, which in turn will provide to the user the information they need.

5 – The user will check the information in the application.



**Use Case Document**

By using the template that I created in the first part of the school semester in CIT 360, I created the Use Case Document for the Address Finder App. Please check out the details below:

|  |  |
| --- | --- |
| USE CASE DOCUMENT – ADDRESS FINDER APP | |
|  | |
| Id number | 84062 (ZIP Code) |
| Status | New |
| Author | User |
| Brief Description | User wants to receive address information from the application |
| Actor | Address Finder application |
| Trigger | Activate the process to input zip code information and receive address information |
| Pre-conditions | User needs address information for personal or professional purposes. |
| Post-conditions | User receives address information for personal or professional purposes. |
| Main Success Scenario | Client going through all the scenario since activating the process of inputting the zip code information until the user receives the whole address. |
| Frequency of Use | As many times and the user inputs it |
| Owner | Capis Prestes |
| Priority | High |
| Technical Overview | It covers all the processes accomplished by the Address Finder application: - The user inputs and enters the information in the application  - The Client-side of the application sends the information to the application Server-side  - Interaction between the server-side and database  - USPS API will provide the information the client needs after the interaction  - The server-side will return the information to client-side  - It will provide to the user the information they need. |

**Sequence Diagram**

**Explanation**

This Sequence Diagram shows all the scenario since activating the process of inputting the zip code information and until the user receives the whole address.



**State Diagram**

These Diagrams are used to describe the behavior of a system, using finite state transitions.

**Diagram 1**



**Diagram 2**

