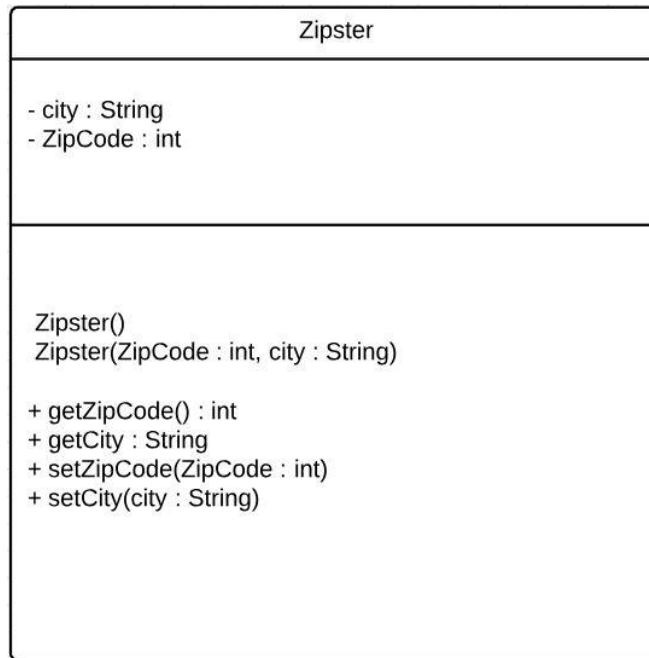Jada Tijani

Project 2 Milestone

Abstract

Zipster is an interactive program that draws from a database running in the background. With the application running at its full potential, a user will be able to input the name of any city in the United States, and the program will output all the corresponding zip codes. For the purposes of this project, however, the program will run a sample list of cities and zip codes.

Introduction

This program is designed to ease the process of typing a full address into text messages, GPS systems, etc. It takes away the hassle of having to search for zip codes on the Internet, and it puts them all into one application. Zipster uses a combination of Java and SQL Databases to link compile the data.

System Description

When the user inputs a city, the background database will gather the information. The portion of the application written in Java will allow the user to interact with the system while the SQL portion will select the zip codes from various tables and link them back to the user interface backed by Java. The two languages link together to create one harmonious application.

```
                              Zipster

 - city : String
 - ZipCode : int


  Zipster()
  Zipster(ZipCode : int, city : String)

 + getZipCode() : int
 + getCity : String
 + setZipCode(ZipCode : int)
 + setCity(city : String)
```

Requirements

Zipster addresses the problem of time. With this world running at such a fast pace, it is

important to save time where we can. Zipster allows users to cut down time where they would

not necessarily think time is wasted.

Literature Survey

The United States Postal Service has a software that uses a map of the United States.

Users can zoom in and out of the map, and it will display the various zip codes according to

geographic area. The map also shows the different districted lines that divide different suburbs. It

also has an Excel software where the user can input a zip code, and the program will output the

city, county, and coordinates.

User Manual

The system should be used to quickly search data. The user will simply input the name of

a city into the program, and the application will output various zip codes for a large metropolitan

area. For better results, users should input the name of specific suburbs and towns rather than a large city.

<u>Conclusion</u>

The program seeks to combine the user interaction of Java and the background power of SQL. The goal of Zipster is to save time, save battery, and save anger for all of its users. It is an application that will be a large addition to the world and better the user technologies market.

<u>References</u>

https://www.unitedstateszipcodes.org/