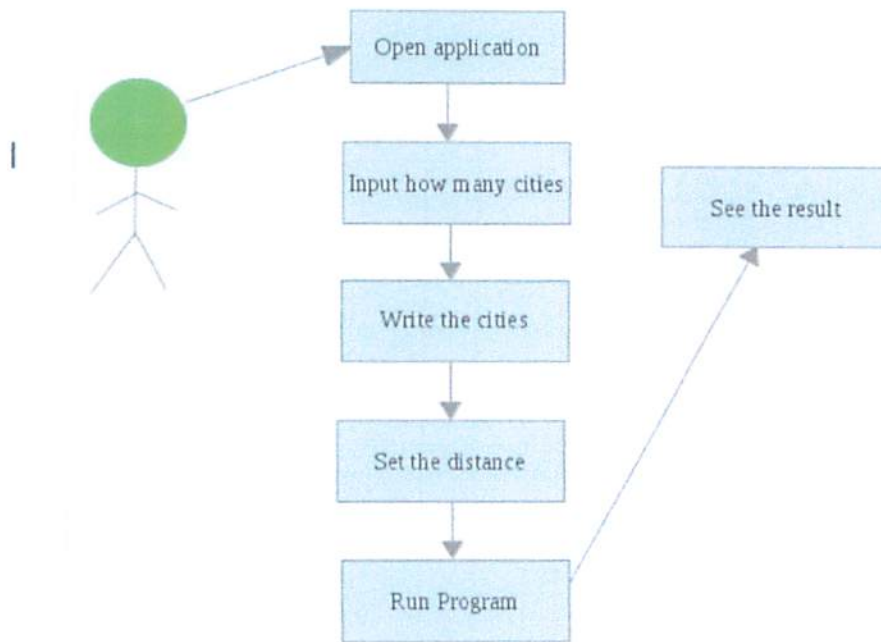


# CHAPTER IV

## ANALYSIS AND DESIGN

### 4.1 Analysis

#### 4.1.1 Use Case Diagram



*Figure 4.1.1 Use Case Diagram*

How to use this application is a user to input how much the city will be displayed, then the user enter a city name specified by the user itself, then the user fills in the distance between the two cities and the last step is to click the process and will exit the matrix that contains the name of the city and the distance.