CHAPTER IV

ANALYSIS AND DESIGN
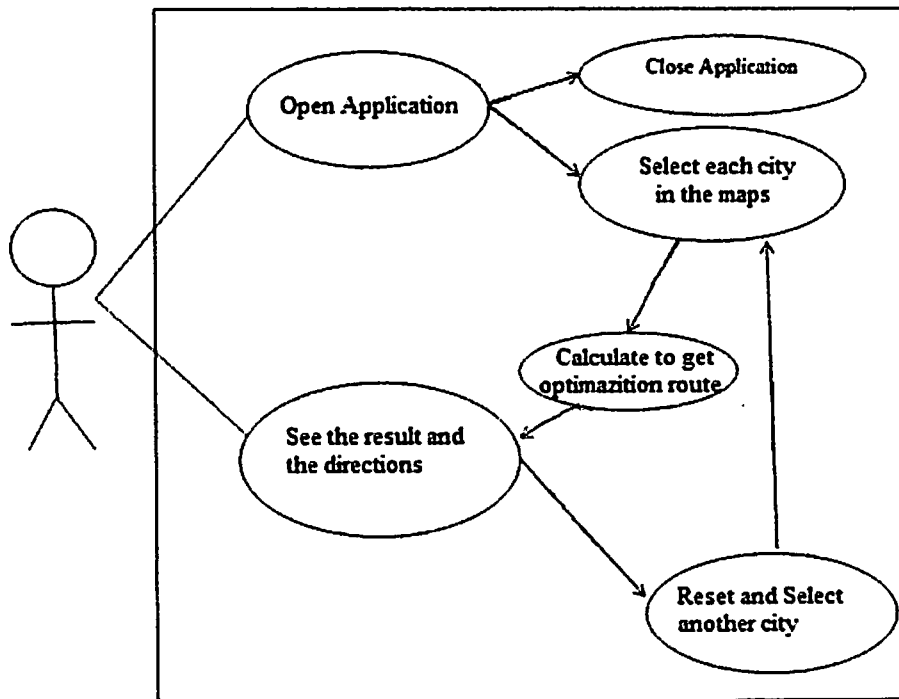
4.1 Analysis

4.1.1 Use Case Diagram

Figure 4.1 Use Case Diagrams

User opens the application and starts with select each city in the maps. When user already select the city and press the calculate button, this application will automatically calculate for the optimization route. Beside the optimization route, user will get the direction by Google direction.

4.2 Design
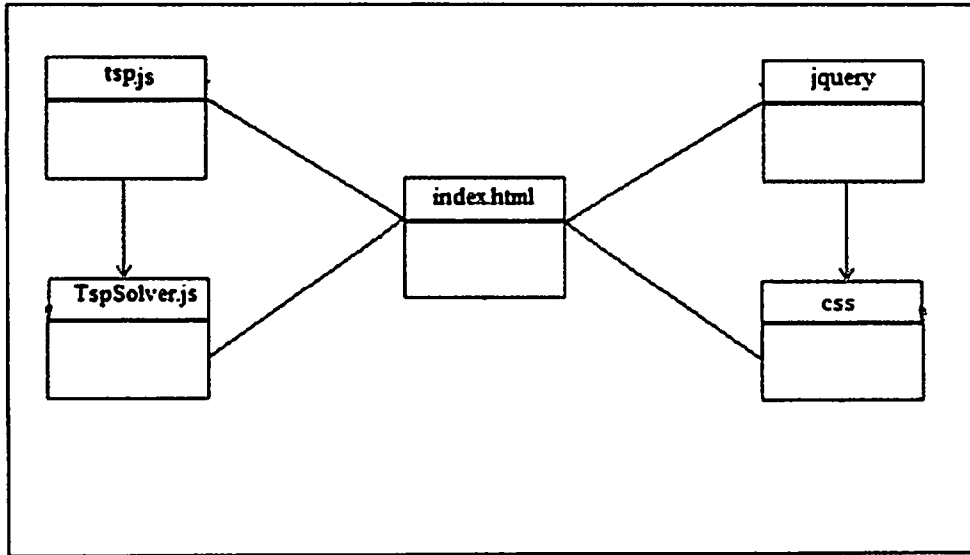
4.2.1 Class Diagram

Figure 4.2 Full Class Diagram

Two class JavaScript for the algorithm and maps. One index html for the main page for user. The purpose of query is to make it much easier to use JavaScript on this application. Cascading Style Sheets, define how to display HTML elements.
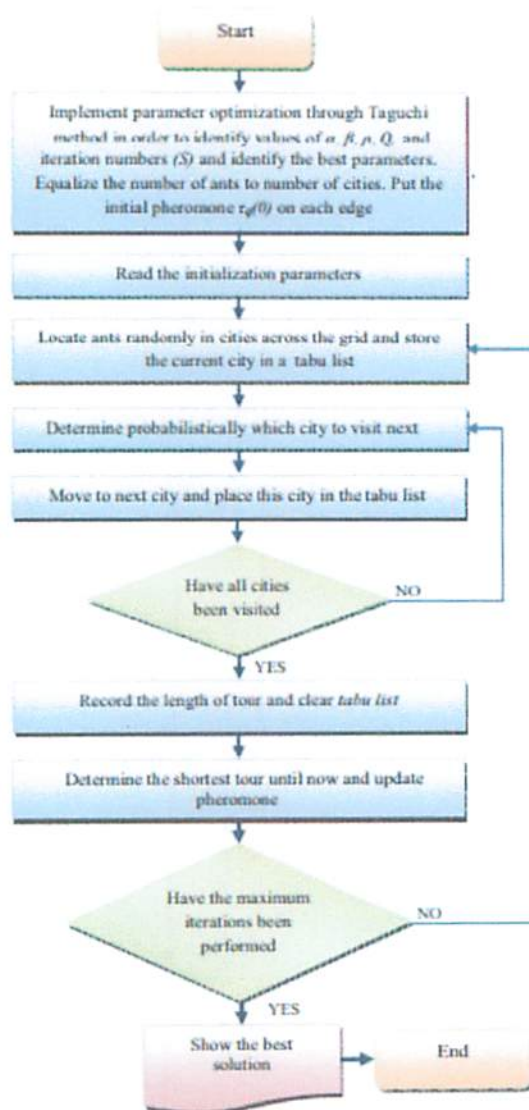
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4.2.2 Flowchart

Figure 4.3 Flowchart