

CHAPTER IV ANALYSIS AND DESIGN

4.1 Analysis

4.1.1. Use Case Diagram

Actor is user in here. Users assign to operate the application. With an election and the input draw number one by one from 1 until 7. By default the program will make the process of giving a result sound of number notation is voiced and the number in text is recognized.

1. Use Case of Number Handwriting Reader Program

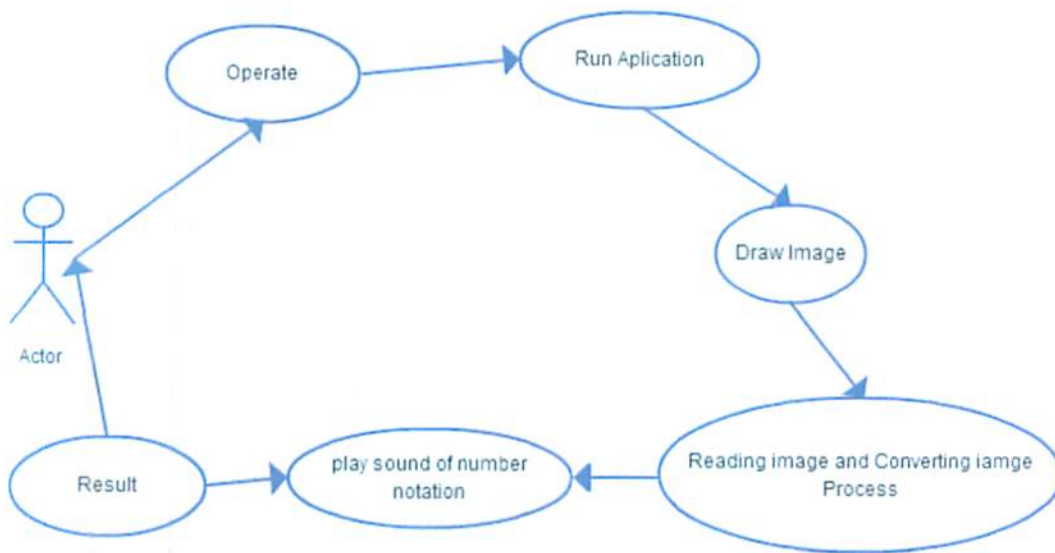


Figure 4.1.1.1 Use Case Use Case of Number Handwriting Reader Program

2. Use Case of Convert Image Number Notation to Sound

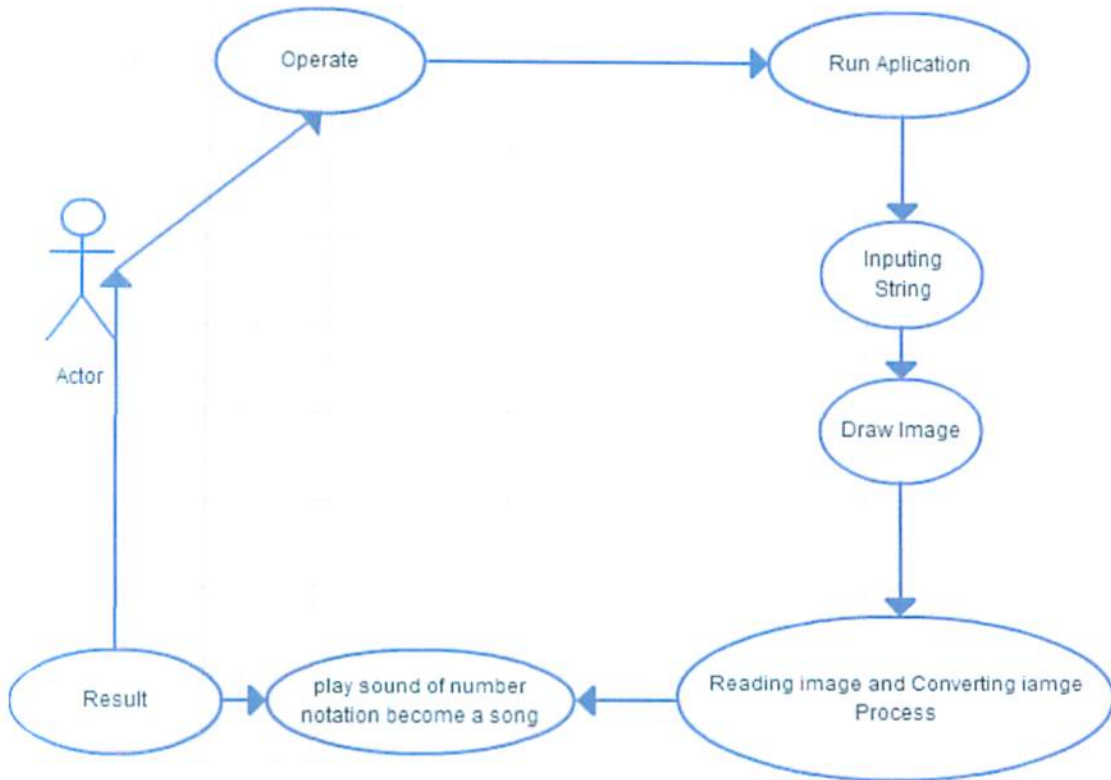


Figure 4.1.1.2 Use Case of Convert Image Number Notation to Sound

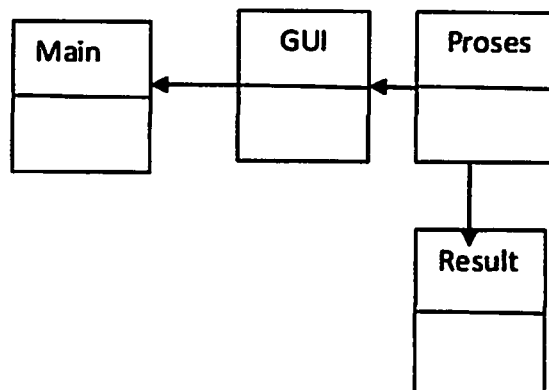
4.2 Design

4.1.2. Class Diagram

Proses

GUI

Here the process is carried is the compilation and running the file that will be done through the GUI and the result will be displayed in the GUI and will be sounding. Where in the process of assessment will be done 1 side is in process. And everything is handled by Main



*Figure 4.2.1 Convert Image Number Notation to Sound
Class Diagram*

Note : The Number Handwriting Reader class diagram is same as class diagram above.

4.1.3. Flow Chart

Flow Chart here pertirified us to understand the performance of the project that created and groove workmanship of the project that we created. Starting from the selected files, compiled files, matching files, to the provision of value.

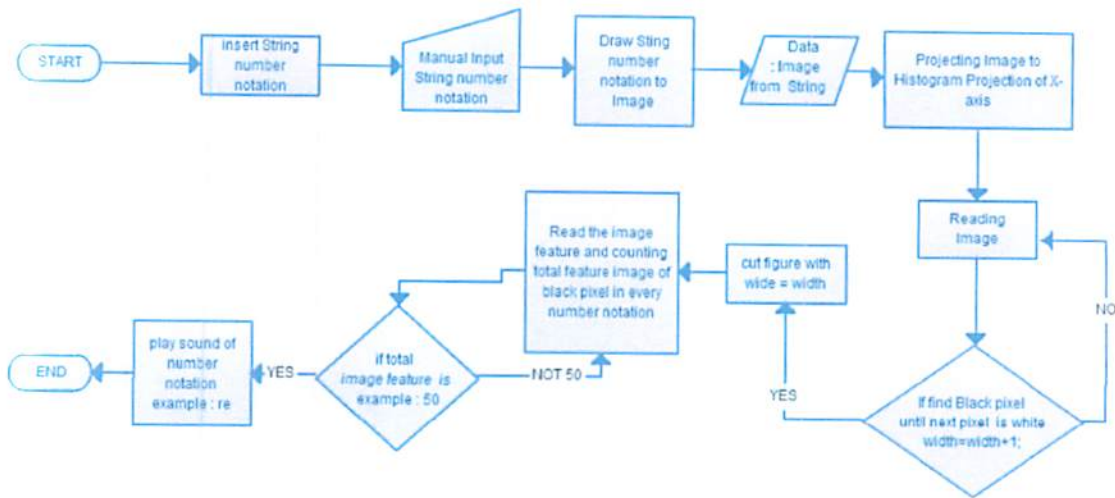


Figure 4.2.2.1 Flow Chart of Convert Number Notation To Sound

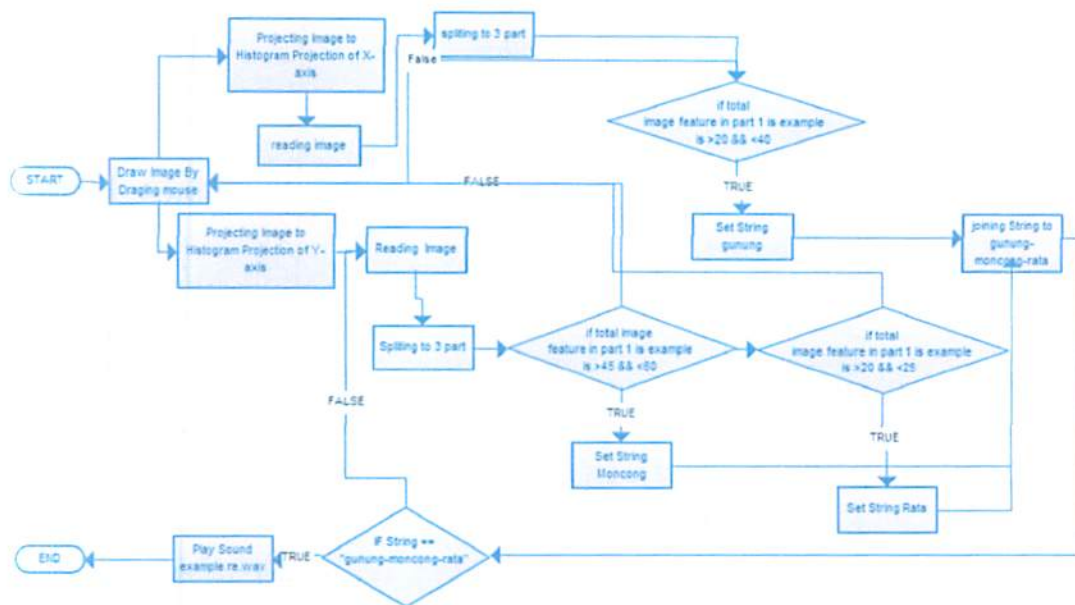


Figure 4.2.2.1 Flow Chart of Hand - Writing Reader