

## CHAPTER IV

### ANALYSIS DESIGN

#### 4.1 Analysis Program

##### Flowchart

The Program start with the display of input of the amount of points. After that the input of coordinates will be display on the canvas after click the go button. Then determined the coordinates of the points, click draw and the values of points will be processed to make the decision if its rectangle or triangle, thereafter the shapes will be display on the canvas. Lastly chose the color from radiobutton and the value of color will be processed to make the decision if it's red, blue or green and thereafter the shape with chosen color will be display on canvas.



Figure 4.1.1 Program flowchart diagram

## 4.2 Display Program Design

The program is displaying input form for number of points, coordinates of points, button to draw, radiobutton input for colors and display the output on html page.

The form is enclosed in a rectangular border. At the top is a text input field labeled 'Title'. Below it, on the left, is a label 'Number of points:' followed by a text input field. To the right of this is a 'GO' button. Below the 'Number of points:' section, there are two rows of input fields. The first row has 'Point X1:' and 'Y1:'. The second row has 'Point X2:' and 'Y2:'. To the right of these four input fields are two buttons: 'Draw' and 'Clear'. Below the input fields, there are three radio buttons, each followed by the text 'Color 1'. At the bottom of the form is a large rectangular area labeled 'Canvas to display the shapes as output'.

Figure 4.2 Design Program

The Program has 2 inputs form, one for input the number of points, the other one is for input the coordinate location of the points. First step user input the number of points, then press GO button to display the coordinate input form, then fill the coordinates on the form and click draw to display the output on canvas, after that user can pick red green or blue color from radiobutton. Lastly if user want to delete all images on canvas use clear button.