12 - SEP 2015

PROJECT REPORT

Drawing Rectangles and Right Angled Triangles With Colors

PERPUSTAKAAN
Universitas Katolik Soegijapranata

No. Inv.	316 / S1Ik / C.1
Tanggal	11 AGUSTUS 2015
Paraf	cucuk S.P.

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10.02.0019
2014/2015

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APPROVAL AND RATIFICATION PAGE

PROJECT REPORT

Drawing and Coloring Rectangle and Right-Angled Triangle Shapes

by

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Certify that this project was made by myself and not copy or plagiarize from other people, except that in writing expressed to the other article. If it is proven that this project was plagiarizes or copy the other, I am ready to accept a sanction.

Semarang, 13 July 2015

Richardus Tia Justiar

10.02.0019

Foreword

After all this semester I have spent, I can finally make it here, accomplished my final project with so much struggle. The time that I dont know what do I have to do for my project makes me so weary, but there is always a way that shown up in the end, if I believe and keep trying with all I have.

There is the moment when I feel so eager that I could find the way out to solve my problem after so many hours spent, the time when I feel really down because the hard task been given and I hardly find the way out. All of it, given me a new insight that programming is actually fun to do. Like puzzle game that u need to find the pieces of puzzle to make an intact puzzle. I feel so down when I could not find a piece of puzzle, but it will double the fun when you finally finish it.

Also In this opportunity, I would like to say thanks to :

- Jesus Christ, who always guiding me, give me a live, time and health that I can still feel his blessing till now.
- My Mom, dad and my beloved sister who always support me and always give me spirit so I can finish my project and for all their love.

Lastly, I would like to apologize for all my mistakes I have ever done while working on my project.

Preface

The shapes such as rectangle and triangle can be draw on computer via web browser. Creating the shapes need some methods to do. Need to set up some points in certain coordinates and then draw the path lines between those points. After the path is draw, the shapes are appear on computer. Thereafter fill the shapes with several colors by processing some certain points.

HTML technology is applied to draw it on computer. HTML5 canvas is used to display the output of the shapes on web browser, and HTML Input form to display the menu of coordinate input. The values of coordinate are stored in array to process it later with the method on javascript.

This project is done after going through with several steps. Firstly find the data reference that relevance with the project on some reliable website, then analyze the problem within creating the shapes on canvas, design the display of the program, implement the method and data structure to draw the shape, testing the program with several condition and lastly present the project in final examination.

The program is start with the display of the number of points input. We setting how many points we want to make, depends on which shapes. After that the input form will appear to set up the coordinate position of points. Then the shape will appear on canvas. Thereafter chose the color from radio button to fill the shapes with color. The process can be repeated to make another shape on canvas.

ABSTRACT

Drawing a shapes like rectangle or triangle practically is drawing a line path from one point to another.When we draw a rectanglewe draw 4 lines that connecting each points. Rectangle requires 4 points to be draw and need to set it up on certain coordinate to draw it properly.

This project is implemented an html technology to draw the shapes on computer. HTML5 canvas and javascript is used for this project. HTML5 canvas is use to manage the display of output on computer. Javascript is used to do the process in drawing the lines.

Need several steps to make a single shape. Firstly input the coordinates of the points. Then the points will be stored in array variable. After that, the values of array will be processed to draw the path lines by connecting one points to another. Thereafter the shapes will be display on computer. Lastly process the value of array on certain points to draw the color of the shapes.

Keyword: Shapes, HTML5, Canvas, Javascript, Array

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