

CHAPTER IV

Analysis and Design

4.1 Analysis

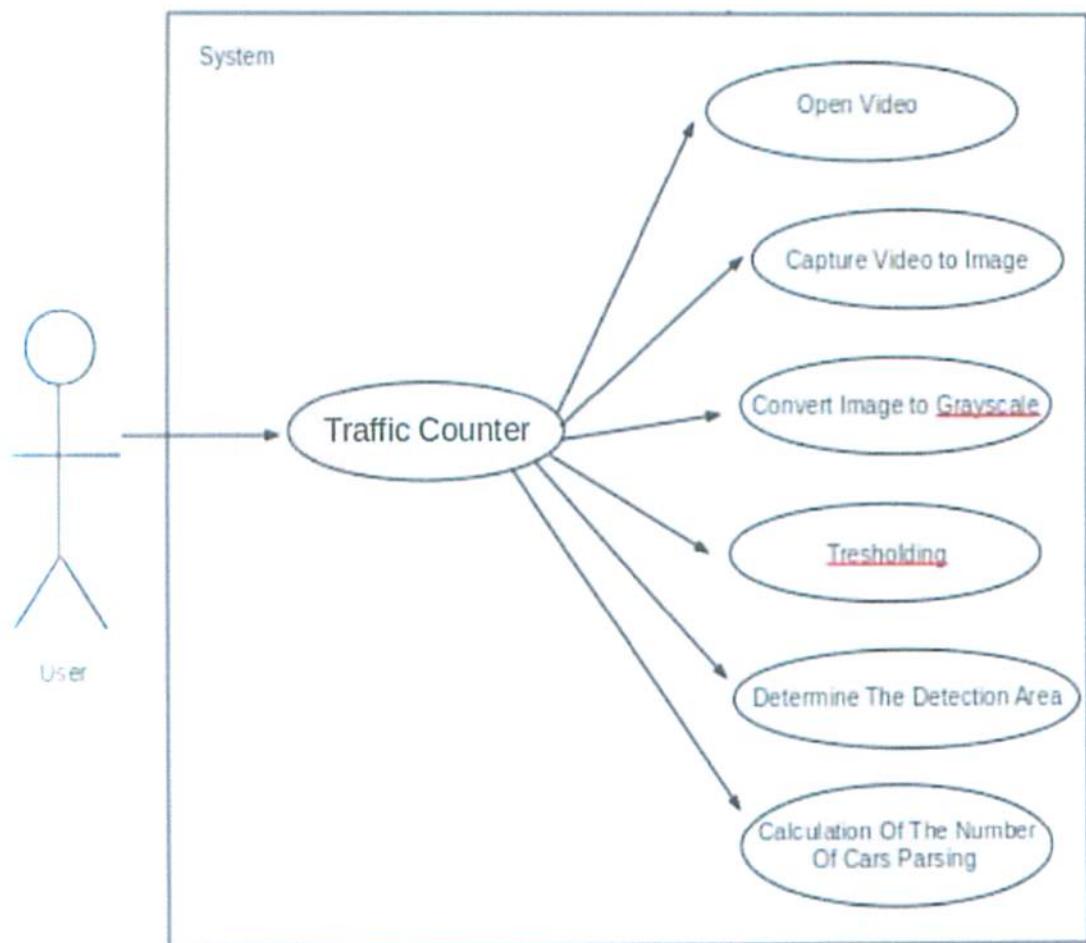


Figure 4.1 Usecase Diagram

4.2 Design

Traffic Counter	
second_between_frames	double
mVideoStreamIndex	int
mLastPtsWrite	long
Micro_Second_Between_Frames	long
OutputFilePrefix	string
ImageSnapListener()	

Figure 4.2 Traffic Counter

Class Traffic Counter functions for capturing video into images in the allotted time.

GUI Traffic Counter	
jbutton1	JButton
jbutton2	JButton
jbutton3	JButton
jLabel1	JLabel
jLabel2	JLabel
jLabel3	JLabel
jLabel4	JLabel
jLabel5	JLabel
jLabel6	JLabel
jLayeredPane1	JLayeredPane
jLayeredPane2	JLayeredPane
jLayeredPane3	JLayeredPane
jPanel1	JPanel
jTextField1	JTextField
fc	JFileChooser
file	File
InitComponents()	
jButton1ActionPerformed(ActionEvent evt)	
jButton2ActionPerformed(ActionEvent evt)	
jButton3ActionPerformed(ActionEvent evt)	

Figure 4.3 GUI Traffic Counter

Class GUI Traffic Counter function to create the look of a GUI application using java.

Grayscale & Tresholding	
img	BufferedImage
threshold	String
w	int
h	int
gambar	BufferedImage
c	int
r	int
g	int
b	int
gray	double
tres1	int
tres2	int
color	int
pix[][]	int
jmlm	int
mobil	int

Figure 4.4 Grayscale & Tresholding

Class Grayscale & Tresholding function to convert RGB image to grayscale and the results of these grayscale given threshold value so that the colored image into black and white.