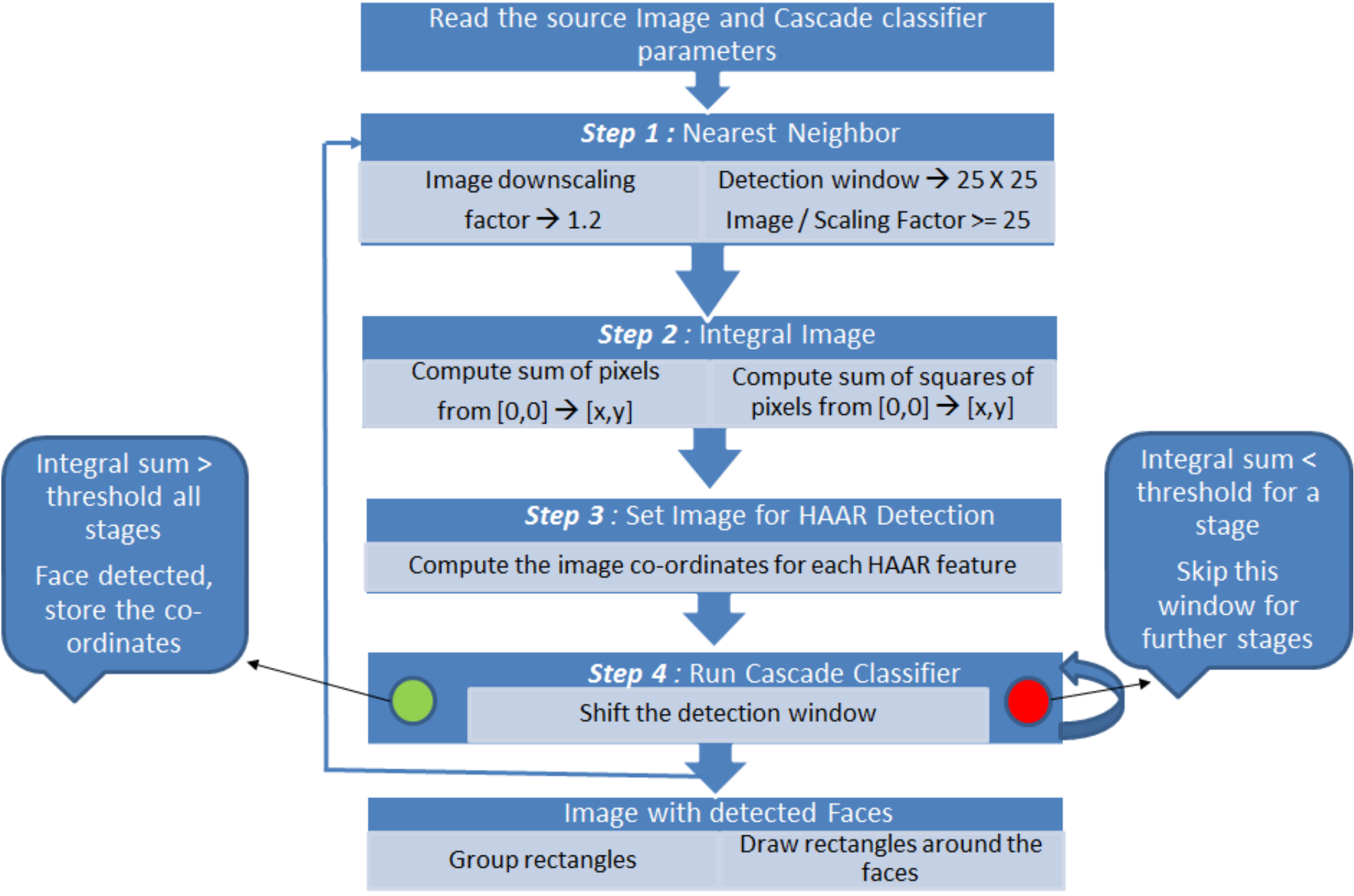
Read the source Image and Cascade classifier parameters
Step 1 : Nearest Neighbor
Image downscaling factor → 1.2
Detection window → 25 X 25
Image / Scaling Factor >= 25
Step 2 : Integral Image
Compute sum of pixels from [0,0] → [x,y]
Compute sum of squares of pixels from [0,0] → [x,y]
Step 3 : Set Image for HAAR Detection
Compute the image co-ordinates for each HAAR feature
Step 4 : Run Cascade Classifier
Shift the detection window
Integral sum > threshold all stages
Face detected, store the co-ordinates
Integral sum < threshold for a stage
Skip this window for further stages
Image with detected Faces
Group rectangles
Draw rectangles around the faces