

# On-demand Traffic light control



August  
2022

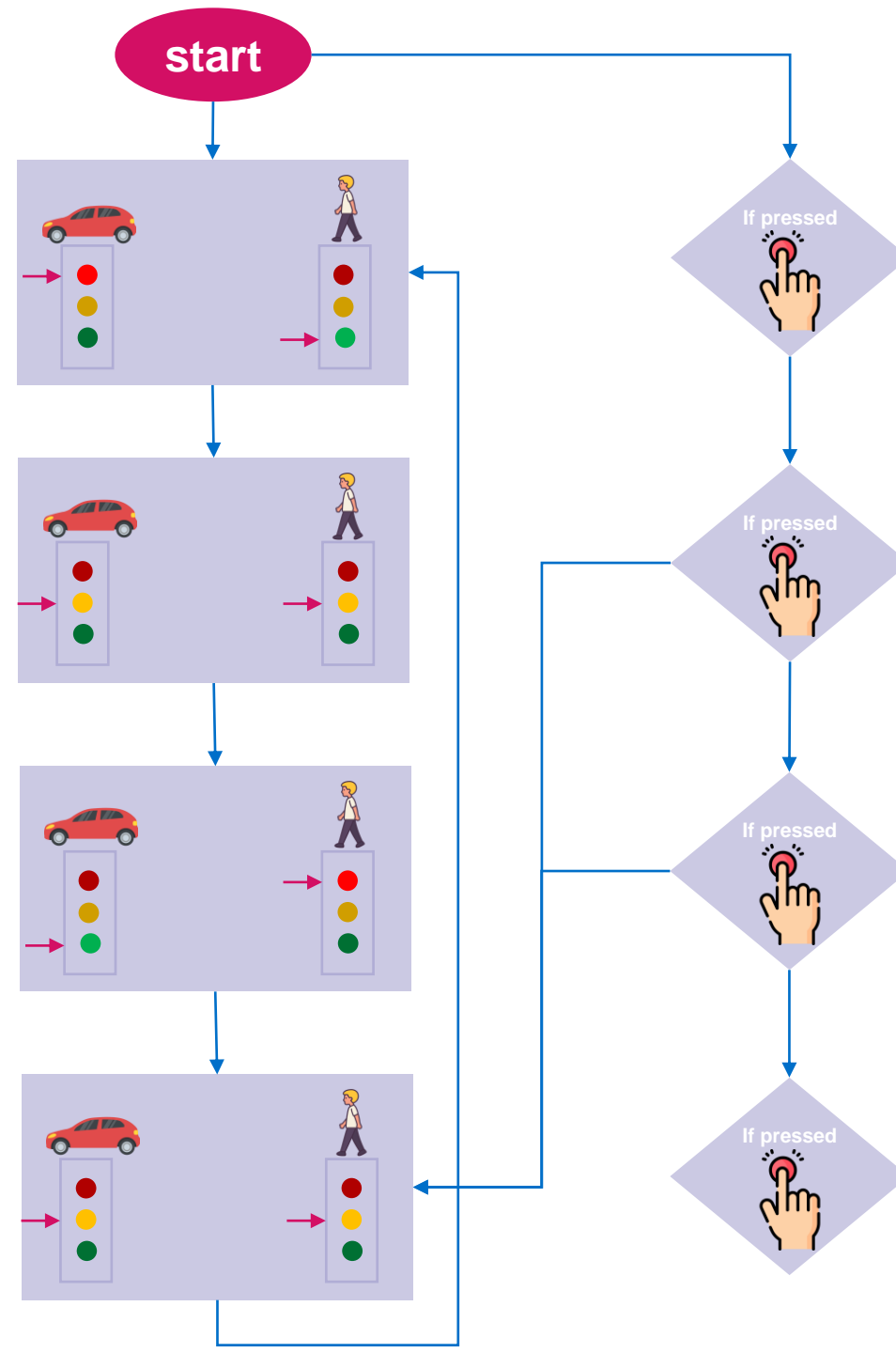




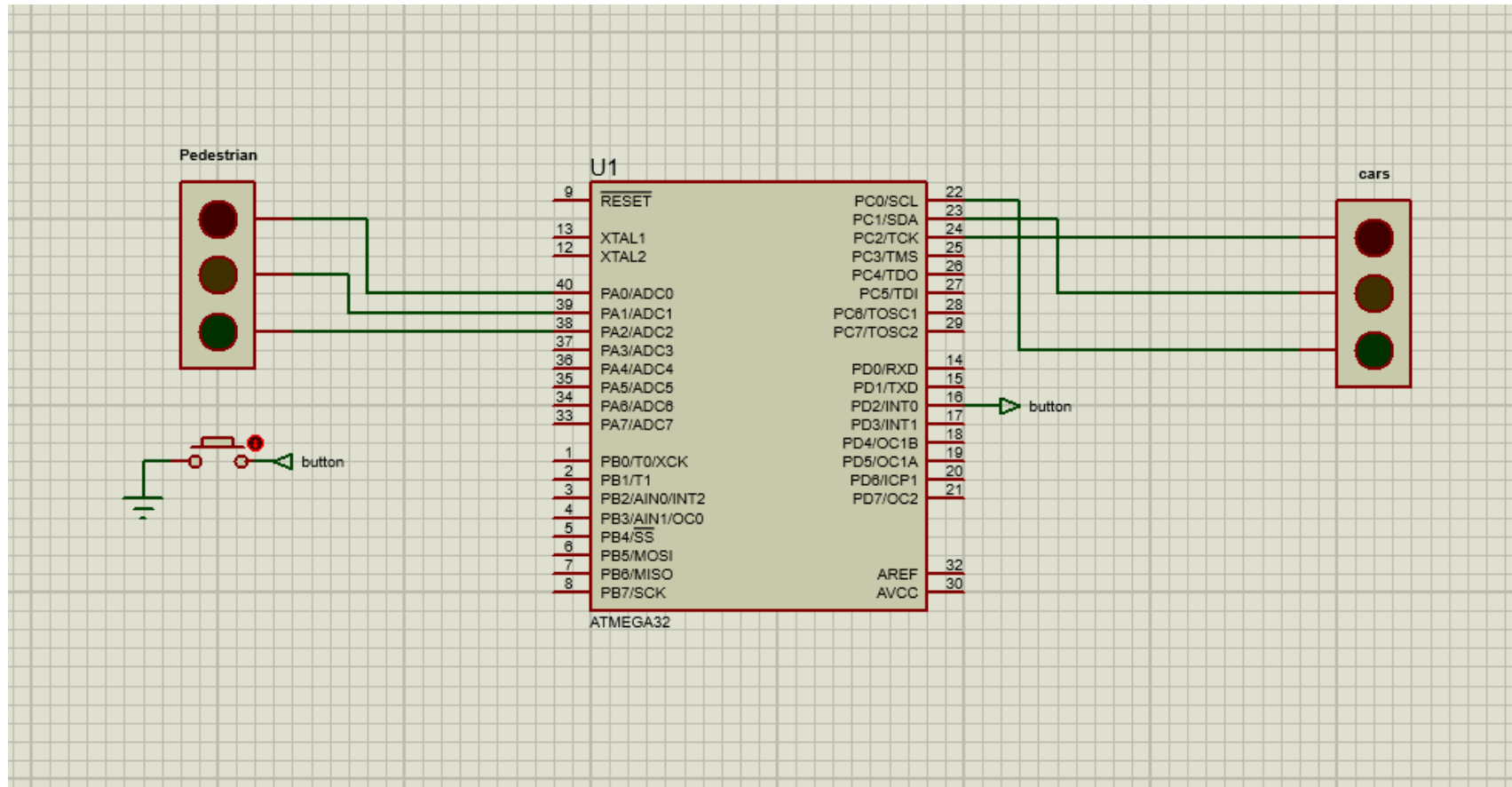
# On-demand Traffic light control

- Traffic lights are signaling devices positioned at road intersections, pedestrian crossings, and other locations to control the flow of traffic.
- Traffic lights normally consist of three signals, transmitting meaning to drivers and riders through colors and symbols including arrows and bicycles.
- The regular traffic light colors are red, yellow, and green arranged vertically or horizontally in that order.
- Although this is internationally standardized, variations exist on national and local scales as to traffic light sequences and laws.
- You are required to implement a traffic lights system with an on-demand crosswalk button.
- Crosswalk buttons let the signal operations know that someone is planning to cross the street, so the light adjusts, giving the pedestrian enough time to get across.

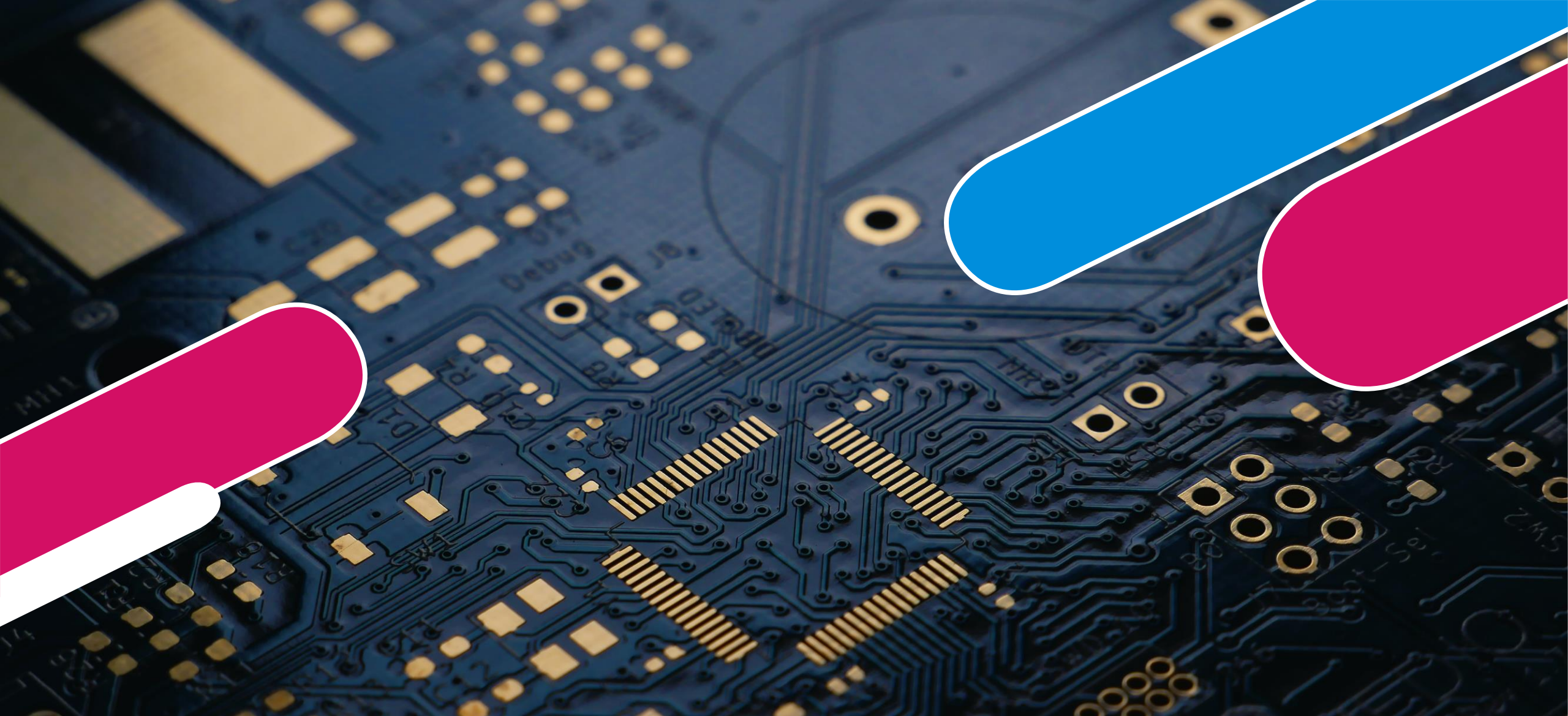
# System flow chart



# HW Design







Thank You