

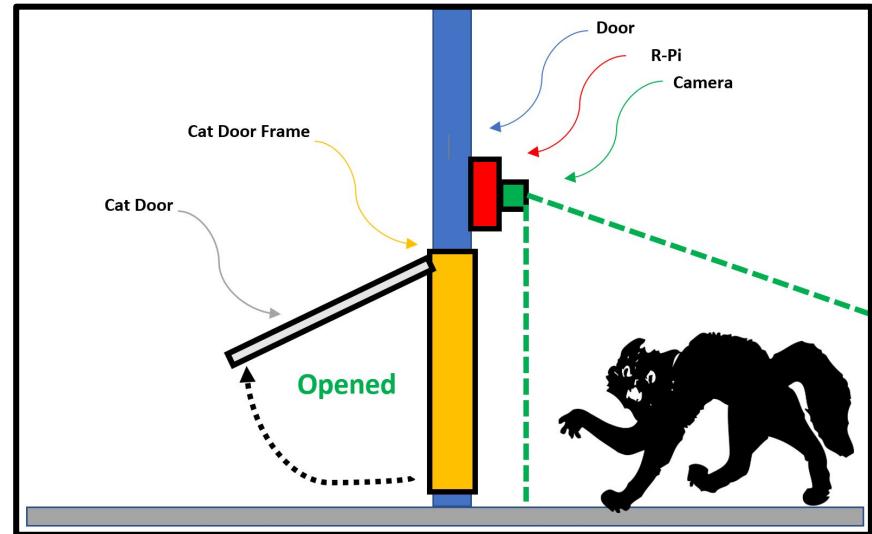
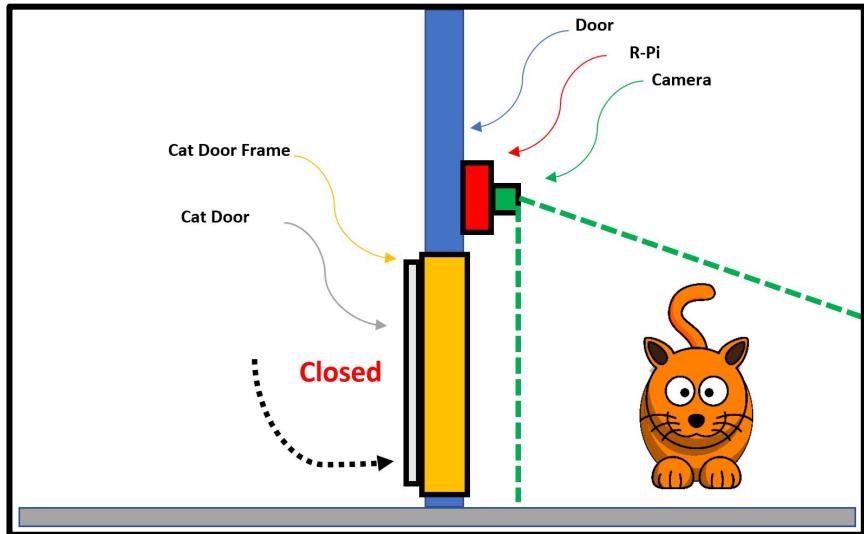
ECE 473 Final Project: CatNet

(a smart cat door)



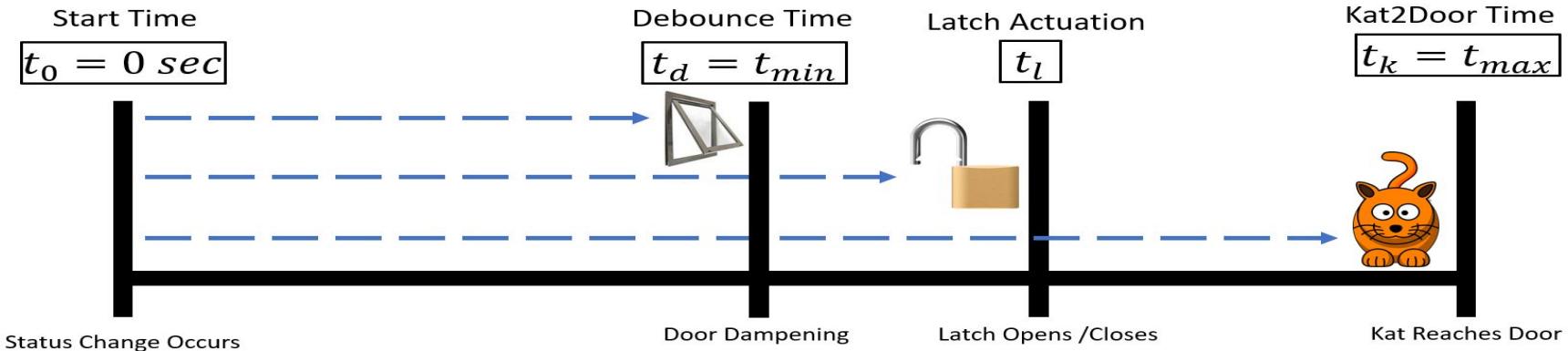
By: Desmond Carter & Roderick Renwick

Concept

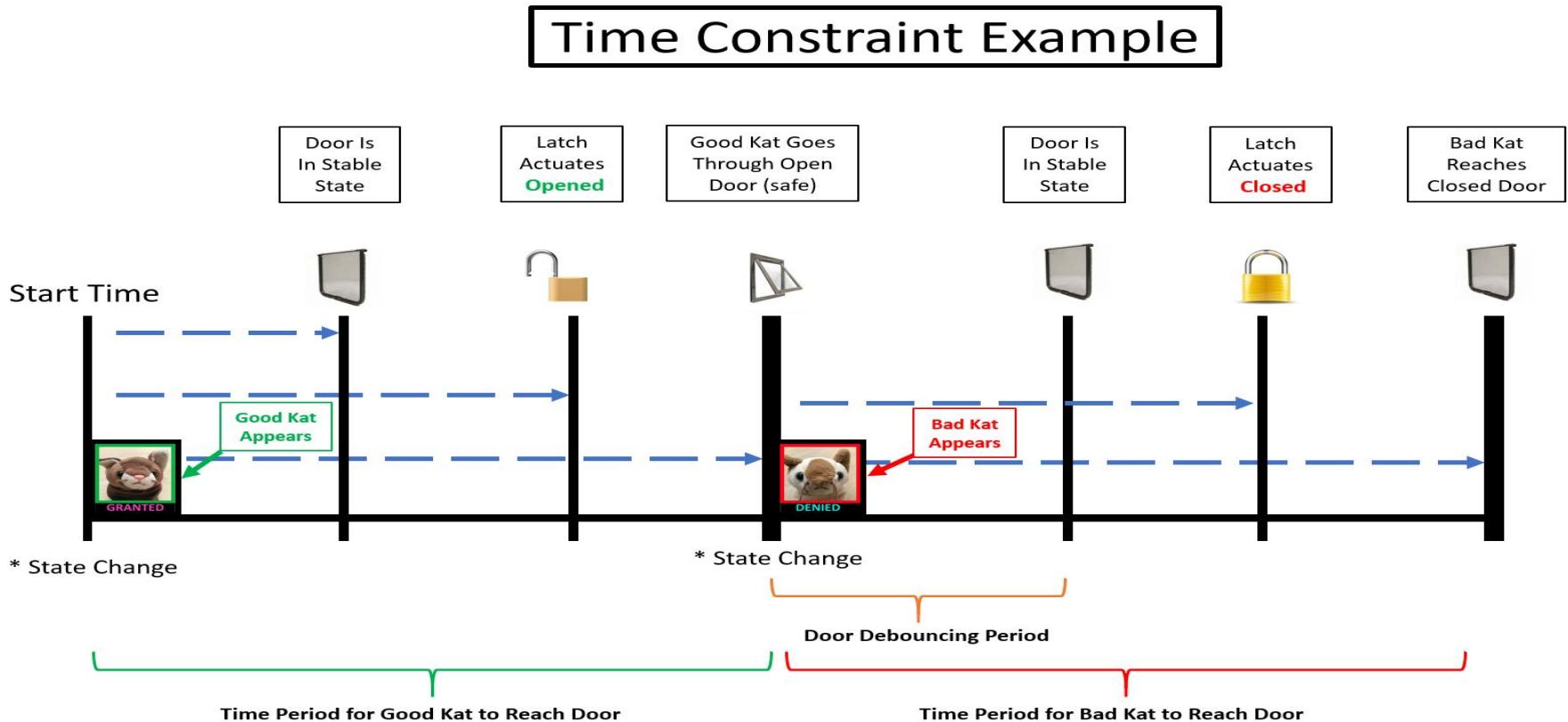


Requirements

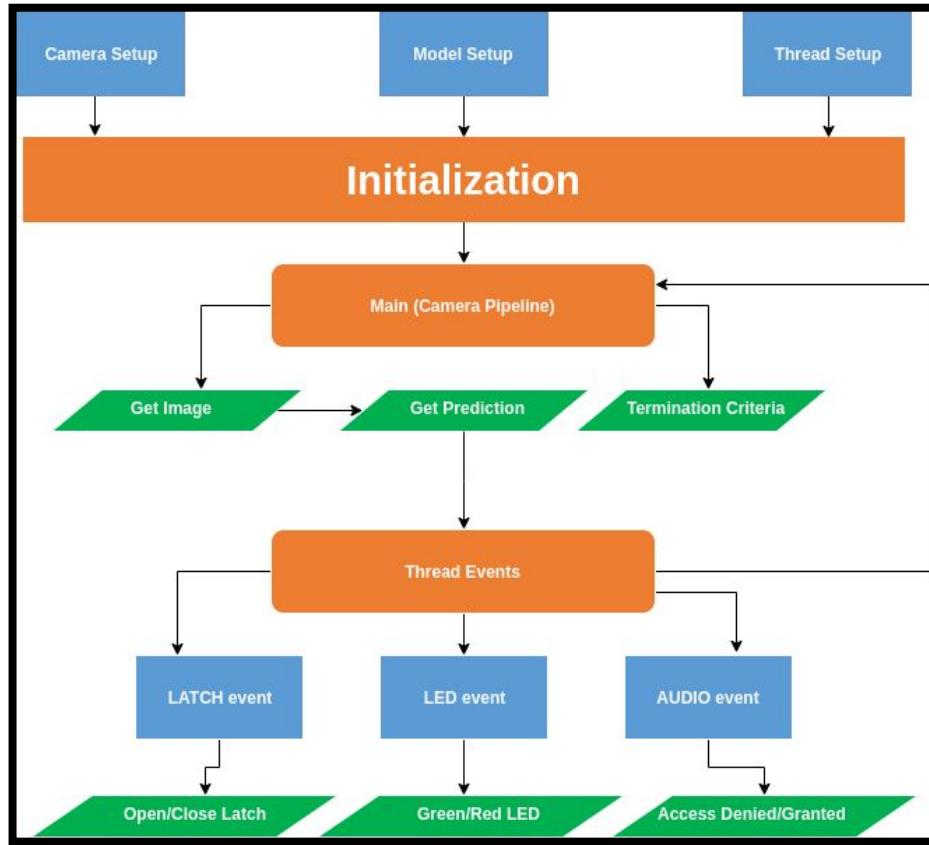
Time Constraint: $t_{min} < t_l < t_{max}$



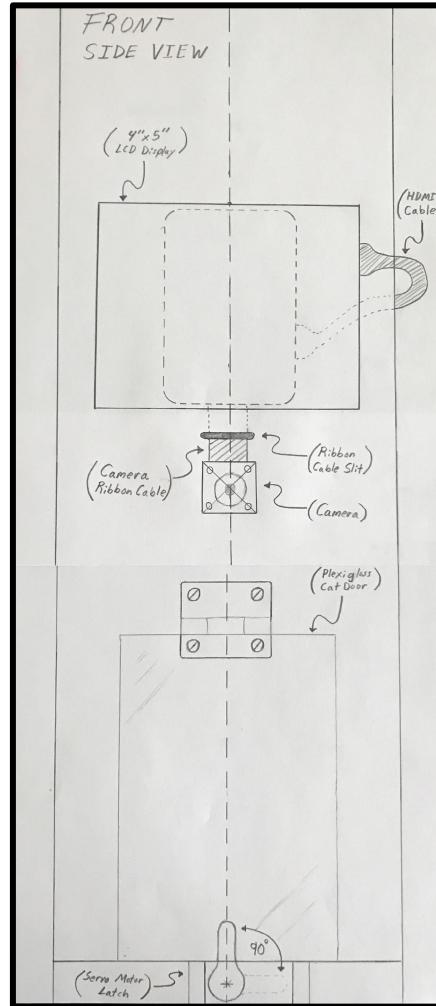
Requirements



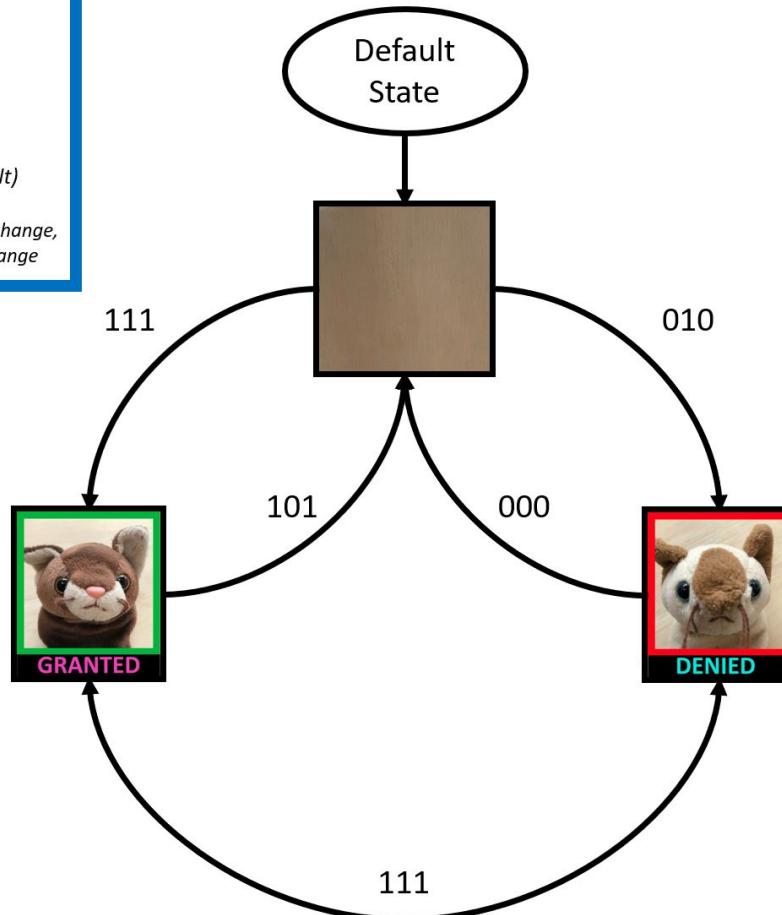
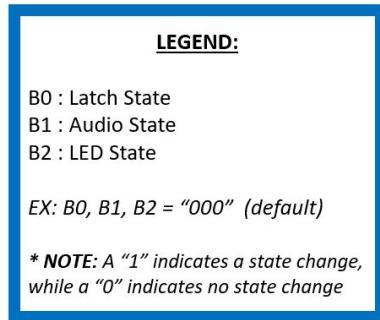
Design: System Flowchart



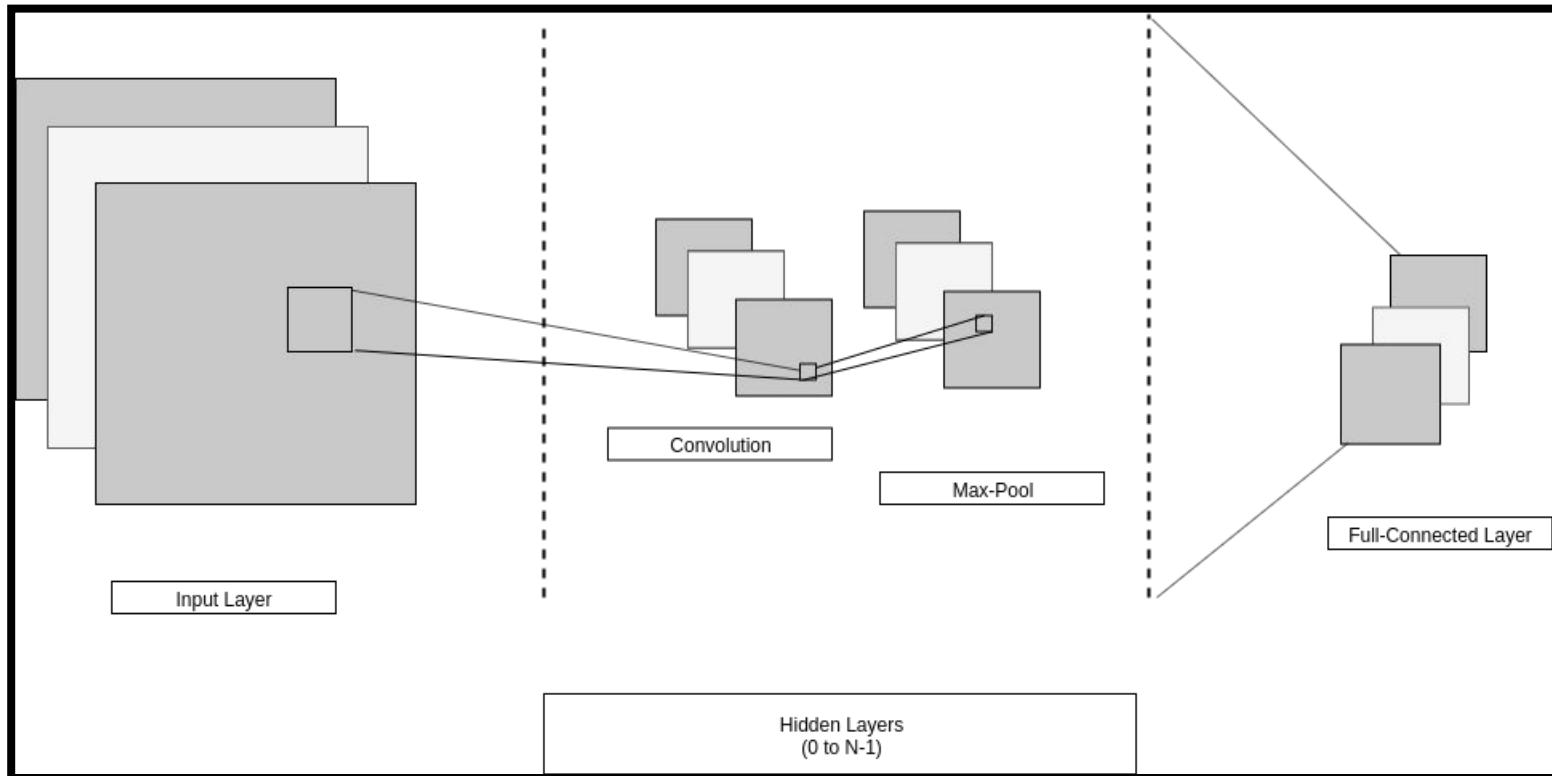
Design: Physical Structure



Design: Moore State Change Diagram



Design: CNN Model



Implementation

