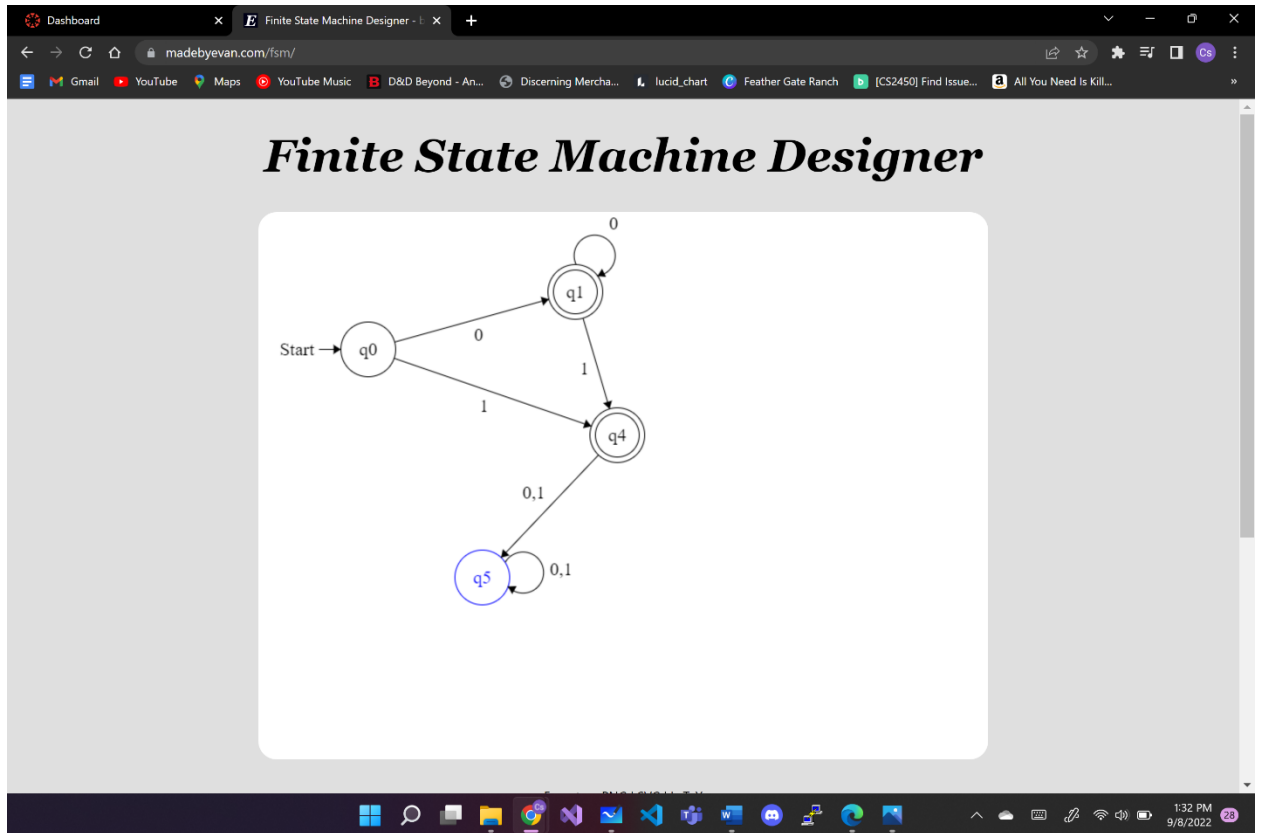




- 1.
2. $\delta(q_0, a) = q_1, \delta(q_0, b) = q_9$
 $\delta(q_1, a) = q_8, \delta(q_1, b) = q_2$
 $\delta(q_2, a) = q_3, \delta(q_2, b) = q_2$
 $\delta(q_3, a) = q_2, \delta(q_3, b) = q_4$
 $\delta(q_4, a) = q_5, \delta(q_4, b) = q_8$
 $\delta(q_5, a) = q_4, \delta(q_5, b) = q_5$
 $\delta(q_6q_7, a) = q_6q_7, \delta(q_6q_7, b) = q_5$
 $\delta(q_8, a) = q_1, \delta(q_8, b) = q_3$
 $\delta(q_9, a) = q_6q_7, \delta(q_9, b) = q_8$



3.