Compsci 334 **Classwork 6** **Nov. 5 or 7, 2024**

10 pts

Use JFLAP or pen/pencil to solve the following problem. You may work with 1 or two others for this classwork.

1. Build a TM acceptor for the following language.
   L=$\{ww \mid w \in \Sigma^+\}$, Σ=$\{a, b\}$
   Note that abab is accepted, abbb is not accepted.
2. Give the running time, big-Oh, assuming the $|w| = n$.