Checkmate Algorithm

1. Start by creating a Login function that inputs a username and password and utilizes 3 attempts.
2. Menu Function
   1. Displays all Model Numbers
   2. Display Furniture Types
   3. Display Price Per Unit
   4. Ask if Company wants more furniture
3. Create.Txt Files that contain data
   1. Macy’s.txt
   2. Ashley’s Furniture.txt
   3. RF Furniture.txt
4. Calculate price function
   1. Have Company input model number
   2. Have Company input desired quantity
   3. Generates a random 5-digit Order Number
   4. Calculate totals
5. Calculate Days function
   1. Derives order date
   2. Derives the number of days that the order will take
   3. Derives estimated time of arrival
6. Read out function
   1. Create output file named Invoice.txt
   2. Load output file with Order Number
   3. Load output file with Model Number
   4. Load output file with Item of Furniture
   5. Load output file with Quantity
   6. Load output file with Price
   7. Load output file with Total
   8. Load output file with Grand Total
   9. Load output file with Order Date
   10. Load output file with Number of Days
   11. Load output file with ETA