Design- Week4

Week 4

▼ CP Question-

Question- Stock Buy And Sell

You are given an array of prices where prices[i] is the price of a given stock on an ith day.

You want to maximize your profit by choosing a single day to buy one stock and choosing a different day in the future to sell that stock. Return *the maximum profit you can achieve from this transaction*. If you cannot achieve any profit, return 0.

Examples:

Example 1: Input: prices = [7,1,5,3,6,4]
Output: 5

Explanation: Buy on day 2 (price = 1) and sell on day 5 (price = 6), profit = 6-1 = 5.

Note: Buying on day 2 and selling on day 1 is not allowed because you must buy before

you sell.

Example 2:Input: prices = [7,6,4,3,1]
Output: 0

Explanation: In this case, no transactions are done and the max profit = 0.

▼ Coding Challenge-

- Build a to-do list application where tasks can be prioritized and sorted based on their importance.
- Reverse the order of elements in a list.
- Build a recommendation system that suggests products or content based on user preferences and behavior.

Plus+ Submit Project #1 (Mandatory)