CC 212/211L PROJECT # 1 – Application of ADT LIST Operations – THE ATM SIMULATION

Requirements:

1. Use ADT LIST Operations in ARRAY or LINK LIST implementation (In C or OOP/C++)
2. 2 Modules
   1. Registration Module – opening new ATM Account
   2. Transaction Module
      1. Balance Inquiry
      2. Withdraw
      3. Deposit
      4. Fund Transfer (for enrolled accounts only)
      5. Change PIN Code
      6. Other transactions (Optional)
3. Turn in the source code and the video recording for the presentation/demonstration
4. Both partners should turn in the project. (Source Code and Video)
5. Project duration: 3 weeks – Deadline Nov. 7

Features: for every account

Use Flash Drive as ATM Card

Use PIN Code (Encrypted)

The Pin Code will be Stored in the ATM Card for checking.

The List will also store the PIN Code for cross checking.

LIST INFORMATION

Account Number (5 digits)

Account Name

Birthday

Contact number

Initial Deposit (Min. 5000)

Pin code

PIN CODE: MAX of 6 digits/ 4 digits need to press ENTER key

FLASH DRIVE AS ATM CARD:

Check the pin.code file in card if not present the program will ask to “Please insert card.”