

HI-TECH ASSOCIATES

SOFTWARE DEVELOPMENT PROJECT

CREDIT UNION

Introduction

A local credit union wishes to computerize a system for lodgments and withdrawals. The following outline specification has been prepared by a user group. You are required to:

1. Complete the specification
2. Design the tables and fields.
3. Write the programs
4. Test the application
5. Document the application.

Tables – Customer and Transactions

The *customer record* should include as a minimum the following fields:

- Customer Account No (Primary key - unique)
- Customer Name
- Customer Address x 3 lines
- Date of Birth
- Date Account Opened – default to today
- Credit Limit – minimum of 100 and maximum of 10,000
- Account Balance.

The *transaction record* should include the following fields:

- Customer Account No. (Relationship to customer record).
- Transaction Reference
- Transaction Date
- Amount
- Transaction Type (L = Lodgement, W = Withdrawal, I=Interest).

Application Functions

The user group has requested a menu based application with the following functions.

1. Create, Amend, Delete Customer Records
2. Enter Lodgement or Withdrawal Transactions
3. Calculate Interest - 5% on positive balances
4. Customer enquiry, with option to view transactions
5. A report showing accounts exceeding their credit limit.
6. Search for a Transaction(s)

You are encouraged to add additional functions to your application.