**Create a software on Cryptocurrency Account details.**

**Account holder may be anyone including all employees of the system. And it is mandatory to open their account for their employees.**

1. **Whose account maintain more than 794 days , only those customer can take the loan, credit card and so on.**
2. **Whose account is maintained more than 3.5 years only those customers can take business loan rupees 10 crores.**

**Include concepts collection, Exception handling, file handling, stream and files.**

Explanation:

a software for managing Cryptocurrency Account details that also handles loan and credit card applications based on the account's age. Here's a basic outline of how you could approach this problem:

Data collection: You'll need to collect and store data on each customer's account. This should include their personal information (name, address, etc.) as well as details about their account (account number, balance, etc.). You may also want to store information on loan and credit card applications.

Account opening: The system should allow employees to open accounts for themselves and other customers. You'll need to include validation checks to ensure that the required fields are filled out correctly.

Account maintenance: The system should be able to track the age of each account and update it as time passes. This could be done using a timer or a scheduler. You'll also need to include functionality to allow customers to deposit and withdraw funds.

Loan and credit card applications: Customers should be able to apply for loans and credit cards through the system. You'll need to include validation checks to ensure that they meet the account age requirements. For example, if a customer applies for a loan, the system should check whether their account has been maintained for at least 794 days. If it has, the application can be approved. If not, the application should be rejected.

Business loan applications: Customers who have maintained their account for more than 3.5 years should be able to apply for a business loan of up to 10 crores. The system should check the age of the account before approving the application.

Exception handling: You'll need to include exception handling to catch errors and handle them gracefully. For example, if a customer tries to withdraw more funds than they have available, the system should display an error message and prevent the transaction from going through.

File handling: You'll need to include functionality to read and write data to files. This will allow you to save customer account information and loan and credit card applications.

Stream and files: You may want to use streams to read and write data to files. This will allow you to read and write data in smaller chunks, which can be more efficient than reading or writing large amounts of data at once.

Of course, this is just a basic outline of how you could approach the problem. The actual implementation will depend on the specific requirements of your project.

Explanation:

An outline for a Cryptocurrency Account Details software that includes concepts like collection, Exception handling, file handling, stream, and files. Here's a sample design:

Create a Class called "CryptocurrencyAccount" with the following attributes:

Account Number

Account Holder Name

Account Type

Balance

Account Opening Date

Create a Class called "Employee" with the following attributes:

Employee ID

Employee Name

Designation

Department

Salary

Create a Collection class called "AccountHolderList" that stores the list of account holders and their respective account details.

Implement a method called "OpenAccount" that allows employees to open a new account. This method should handle exceptions for invalid inputs and save the account details to a file using file handling and stream concepts.

Implement a method called "CheckEligibilityForLoan" that checks if an account has been maintained for more than 794 days. If eligible, it allows the customer to apply for a loan or credit card.

Implement a method called "CheckBusinessLoanEligibility" that checks if an account has been maintained for more than 3.5 years. If eligible, it allows the customer to apply for a business loan of 10 crores.

Implement a method called "ViewAccountDetails" that displays the account holder's details and balance.

Implement a method called "CloseAccount" that allows the account holder to close their account and removes their details from the "AccountHolderList" collection.

Implement exception handling throughout the application to handle errors gracefully.

Save and load the "AccountHolderList" collection to a file using file handling and stream concepts.

Overall, this design provides a basic outline for a Cryptocurrency Account Details software that includes concepts like collection, Exception handling, file handling, stream, and files. You can customize this design based on your requirements and add more features if needed.