Create a BankAccount class that has the following private properties:

- AccountNumber: a unique integer identifier for the account

- AccountHolder: the name of the person or entity that owns the account

- Balance: the current balance of the account

- Transactions: a list of Transaction objects that represent the history of transactions for the account

The Transaction class should have the following properties:

- Timestamp: a DateTime object that represents when the transaction occurred

- Type: a string that can be either "deposit" or "withdraw"

- Amount: a decimal that represents the amount of the transaction

The BankAccount class should have the following public methods:

- Deposit(amount): adds the specified amount to the account balance and adds a new Transaction object to the transactions list with the type set to "deposit" and the amount set to the specified amount.

- Withdraw(amount): subtracts the specified amount from the account balance and adds a new Transaction object to the transactions list with the type set to "withdraw" and the amount set to the specified amount.

- GetBalance(): returns the current balance of the account.

- GetTransactionHistory(): returns a list of Transaction objects representing the transaction history for the account, sorted by timestamp in ascending order.

The BankAccount class should also have the following public properties that allow the accountNumber and accountHolder properties to be accessed and modified:

AccountNumber: gets or sets the accountNumber property.

AccountHolder: gets or sets the accountHolder property.