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/**
 * A FeeAccount is a BankAccount with one new feature:
 * the user is charged for each transaction.
 *
 * @see BankAccount
 *
 * @version 7
 */

public class FeeAccount extends BankAccount
{

/**
 * Constructor, accepting an initial balance and issuing Bank.
 *
 * @param initialBalance the opening balance.
 * @param issuingBank the bank that issued this account.
 *
 * @exception InsufficientFundsException when appropriate.
 */

public FeeAccount( int initialBalance, Bank issuingBank )
throws InsufficientFundsException
{
super( initialBalance, issuingBank);
}

/**
 * The Bank's transaction fee.
 *
 * @return the fee.
 */

protected int getTransactionFee()
{
return getIssuingBank().getTransactionFee();
}

/**
 * The way a transaction is counted for a FeeAccount: it levies
 * a transaction fee as well as counting the transaction.
 *
 * @exception InsufficientFundsException when appropriate.
 */

public void countTransaction()
throws InsufficientFundsException
{
incrementBalance( - getTransactionFee() );
super.countTransaction();
}

/**
 * A FeeAccount incurs a monthly charge.
 *
 * @exception InsufficientFundsException when appropriate.
 */

public void newMonth()
throws InsufficientFundsException
{
incrementBalance( - getIssuingBank().getMonthlyCharge() );
}

/*
*/