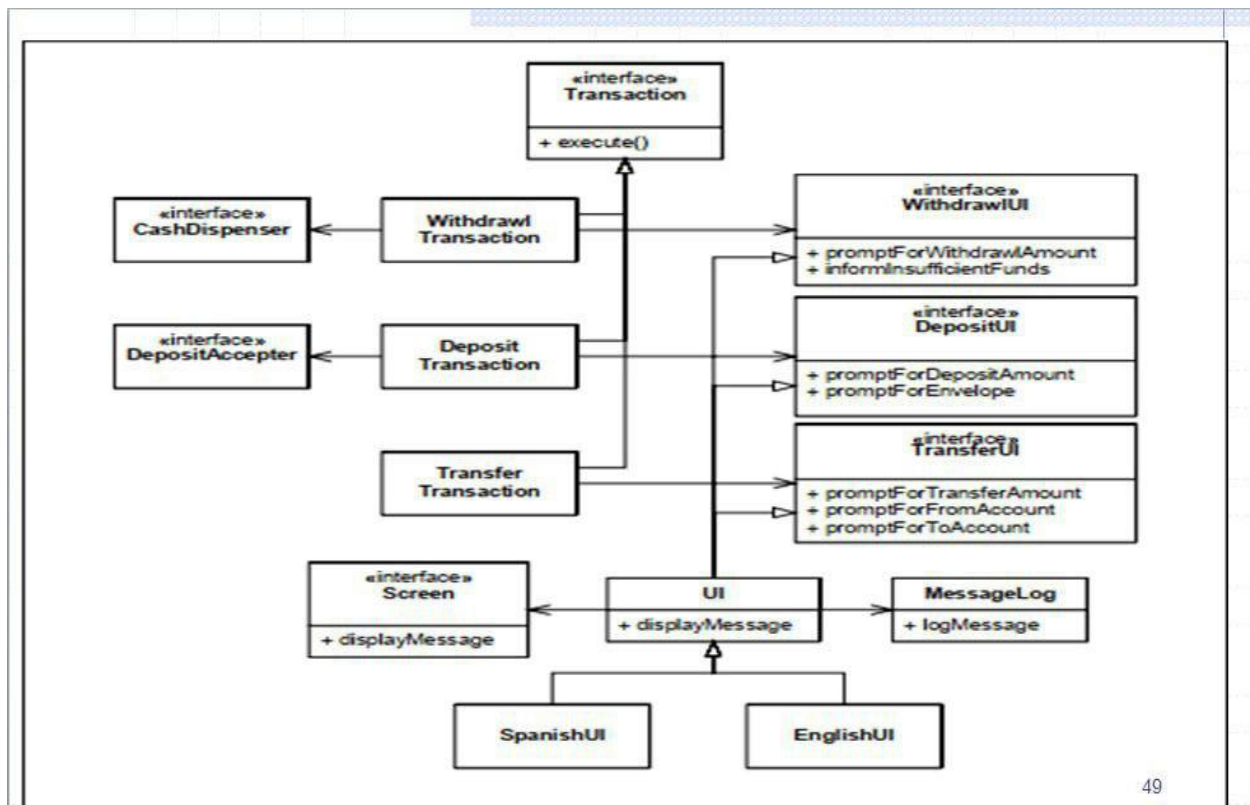


Tools Assignment  
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section 1



// Convert this diagram into Java Code

```
// Java Code
```

```
// Interface for cash dispenser
```

```
public interface CashDispenser {
```

```
    // Methods would be defined here based on requirements
```

```
}
```

```
// Interface for deposit mechanism
```

```
public interface DepositMechanism {
```

```
    // Methods would be defined here based on requirements
```

```
}
```

```
// Interface for screen display
```

```
public interface Screen {
```

```
    void displayMessage(String message);
```

```
}
```

```
// Base transaction interface
```

```
public interface Transaction {
```

```
    // Common transaction methods would be defined here
```

```
}
```

```
// Withdrawal transaction class

public class WithdrawalTransaction implements Transaction {

    // Implementation for withdrawal transaction

}
```

```
// Deposit transaction class

public class DepositTransaction implements Transaction {

    // Implementation for deposit transaction

}
```

```
// Transfer transaction class

public class TransferTransaction implements Transaction {

    // Implementation for transfer transaction

}
```

```
// Main UI interface

public interface UI {

    void promptForTransferAmount();

    void promptForFromAccount();

    void promptForToAccount();

}
```

// Withdrawal UI interface

```
public interface WithdrawUI {  
    void promptForWithdrawAmount();  
    void informInsufficientFunds();  
}
```

// Deposit UI interface

```
public interface DepositUI {  
    void promptForDepositAmount();  
    void promptForEmployee();  
}
```

// Message logging class

```
public class MessageLog {  
    public void logMessage(String message) {  
        // Implementation for logging messages  
    }  
}
```

// Spanish UI implementation

```
public class SpanishUI implements UI, WithdrawUI, DepositUI {  
    @Override
```

```
public void promptForTransferAmount() {  
    // Spanish implementation  
}
```

```
@Override
```

```
public void promptForFromAccount() {  
    // Spanish implementation  
}
```

```
@Override
```

```
public void promptForToAccount() {  
    // Spanish implementation  
}
```

```
@Override
```

```
public void promptForWithdrawAmount() {  
    // Spanish implementation  
}
```

```
@Override
```

```
public void informInsufficientFunds() {  
    // Spanish implementation
```

```
}
```

```
@Override
```

```
public void promptForDepositAmount() {
```

```
    // Spanish implementation
```

```
}
```

```
@Override
```

```
public void promptForEmployee() {
```

```
    // Spanish implementation
```

```
}
```

```
}
```

```
// English UI implementation
```

```
public class EnglishUI implements UI, WithdrawUI, DepositUI {
```

```
@Override
```

```
public void promptForTransferAmount() {
```

```
    // English implementation
```

```
}
```

```
@Override
```

```
public void promptForFromAccount() {
```

```
    // English implementation  
}
```

```
@Override  
public void promptForToAccount() {  
    // English implementation  
}
```

```
@Override  
public void promptForWithdrawAmount() {  
    // English implementation  
}
```

```
@Override  
public void informInsufficientFunds() {  
    // English implementation  
}
```

```
@Override  
public void promptForDepositAmount() {  
    // English implementation  
}
```

@Override

public void promptForEmployee() {

    // English implementation

}

}

// U1 class (purpose unclear from diagram)

public class U1 {

    // Implementation based on specific requirements

}