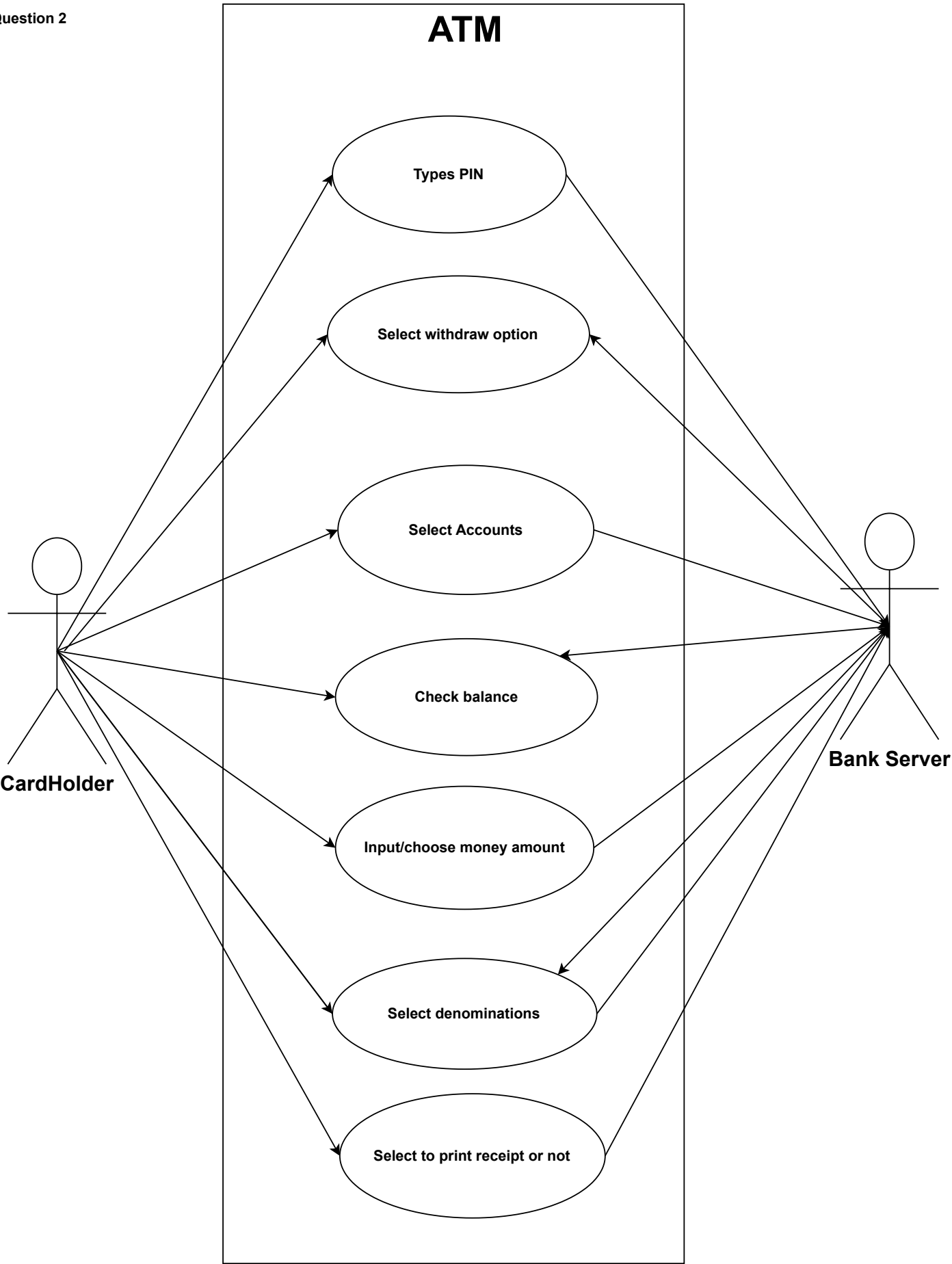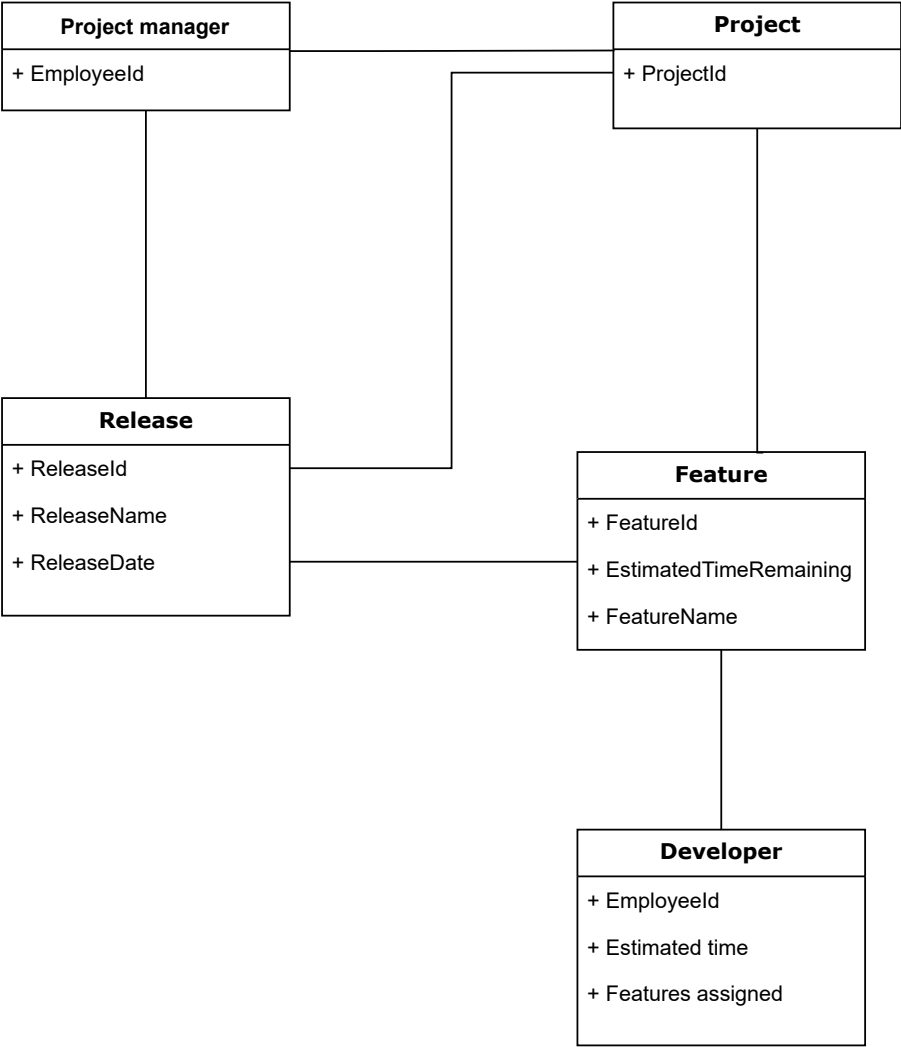**Question 1**

User actions	System responses
1. User types in PIN into main screen	The system checks the validity of PIN and presents options to users on another screen.
2. Select accounts	The system illustrates the options (Checking, Saving).
3. Check balance	The system checks balance and illustrates the statement.
4. Select withdraw option	The system presents withdraw value options and a placeholder to enter the modified values.
5. Select/Enter withdraw value	The system checks the balance and proceeds with the withdraw process.
6. Select the denominations	The system checks if the number of notes is available according to the requested denominations.
7. Choose to receive receipts	The system outputs the receipt if the answer is YES. Otherwise, the system does not output anything.

Question 2

ATM

CardHolder

Bank Server

Types PIN

Select withdraw option

Select Accounts

Check balance

Input/choose money amount

Select denominations

Select to print receipt or not

Question 3

```
┌─────────────────────────────┐          ┌─────────────────────────────┐
│      Project manager        │          │          Project            │
├─────────────────────────────┤          ├─────────────────────────────┤
│  + EmployeeId               │──────────│  + ProjectId                │
└─────────────────────────────┘          └─────────────────────────────┘


┌─────────────────────────────┐          ┌─────────────────────────────┐
│          Release            │          │          Feature            │
├─────────────────────────────┤          ├─────────────────────────────┤
│  + ReleaseId                │          │  + FeatureId                │
│                             │          │                             │
│  + ReleaseName              │          │  + EstimatedTimeRemaining   │
│                             │          │                             │
│  + ReleaseDate              │          │  + FeatureName              │
└─────────────────────────────┘          └─────────────────────────────┘


                                         ┌─────────────────────────────┐
                                         │         Developer           │
                                         ├─────────────────────────────┤
                                         │  + EmployeeId               │
                                         │                             │
                                         │  + Estimated time           │
                                         │                             │
                                         │  + Features assigned        │
                                         └─────────────────────────────┘
```

Question 4

Landlord
+ name: string
+ properties: string
+ hireAdmin(): string

Admin
+ name: string
+ computeTotalRent(): double
+ listAllPropertiesInCity(string): string

house
+ city: string
+ lotSize: double
+ getRent(): double

trailer
+ city: string
+ getRent(): double

condominium
+ city: string
+ numberOfFloor: int
+ getRent(): double