CS401-2024-09A-09D-01 Modern Programming Practices

LAB 1

August 2nd, 2024

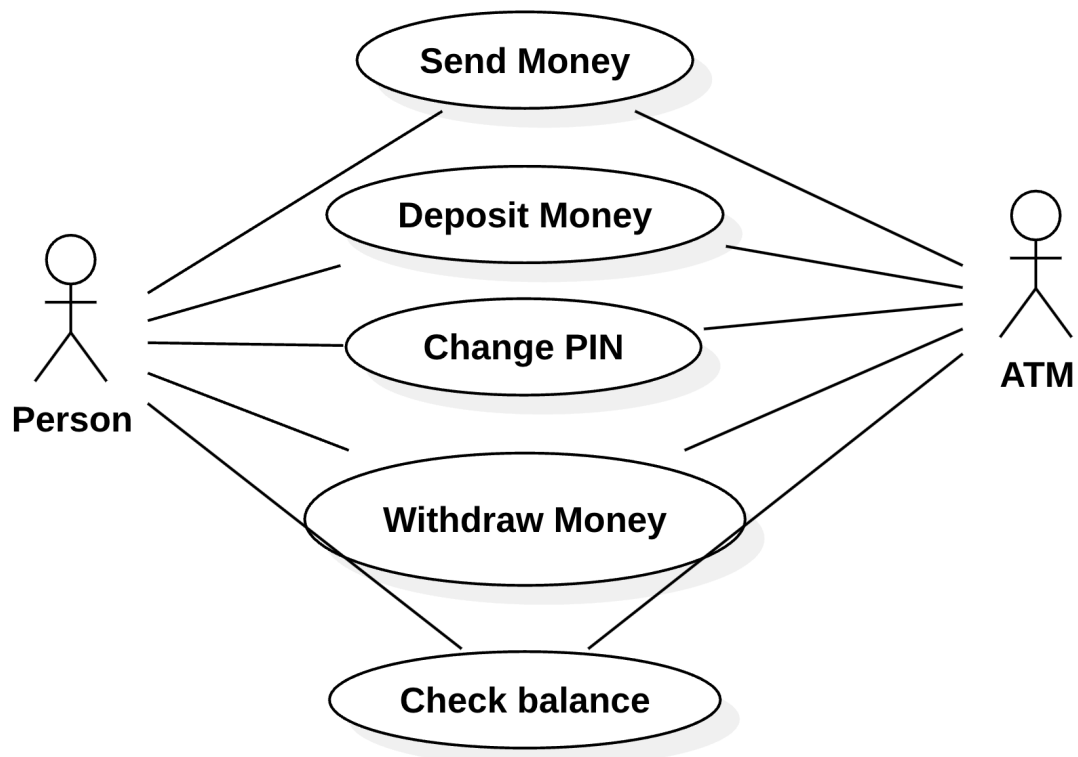# Group 4

Members:
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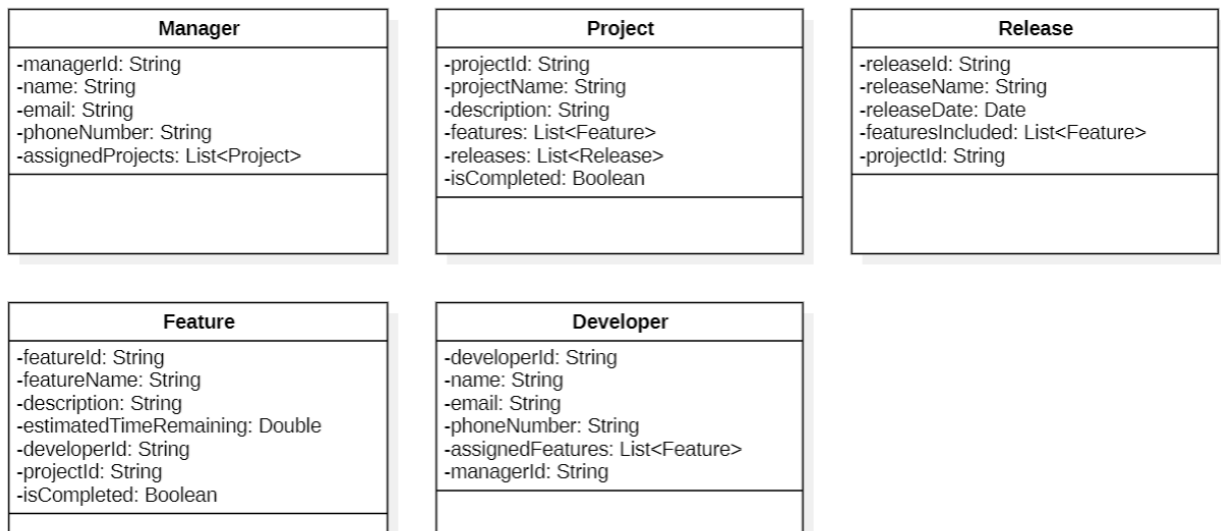
Question 1

Sr. No.	User Action	System Response
1	User types in their PIN on the main screen.	The system checks the PIN and, if it's correct, shows a screen with different options, like "Withdraw Money," "Check Balance," etc.
2	User selects the "Withdraw Money" option.	The system shows a list of accounts, such as "Checking" or "Savings," and asks which account the user wants to withdraw from.
3	User chooses the account they want to withdraw from.	The system then asks the user to enter the amount they want to withdraw.
4	User types in the amount they want to withdraw (e.g., $100).	The system checks if there's enough money in the account and that the amount is within the daily withdrawal limit.
5	User confirms they want to go ahead with the transaction.	The system processes the request, and cash is dispensed from the machine.
6	User takes the cash from the dispenser slot.	The system asks if the user wants a receipt and shows "Yes" or "No" options on the screen.
7	User decides whether to take a receipt or not (e.g., selects "Yes").	If the user chooses "Yes," the system prints a receipt. If "No," it skips printing.
8	User takes the card, receipt (if requested) and cash, then walks away.	The system displays a "Thank you for using our services" message and logs the user out, returning to the welcome screen.

Question 2

Question 3

Manager

-managerId: String
-name: String
-email: String
-phoneNumber: String
-assignedProjects: List<Project>

Project

-projectId: String
-projectName: String
-description: String
-features: List<Feature>
-releases: List<Release>
-isCompleted: Boolean

Release

-releaseId: String
-releaseName: String
-releaseDate: Date
-featuresIncluded: List<Feature>
-projectId: String

Feature

-featureId: String
-featureName: String
-description: String
-estimatedTimeRemaining: Double
-developerId: String
-projectId: String
-isCompleted: Boolean

Developer

-developerId: String
-name: String
-email: String
-phoneNumber: String
-assignedFeatures: List<Feature>
-managerId: String

Question 4

Property

-address: String
-rent: Double

Trailer - Property

-trailerParkAddress: String

House - Property

-lotSize: Double

Condominium - Property

-numberOfFloors: Integer

AdminModule - Property

-totalRent: Double
-propertiesList: List<Property>