Suppose a loan company hires you to develop a software system to manage their loans. The company offers three types of loan: mortgage loan, auto loan, and personal loan. The minimum information that each loan needs is described in the table below.

Mortgage	Auto loan	Personal loan
House Address	Make	Loan Purpose
House Area	Model	Loan Amount
Number of Bedrooms	Year	Interest Rate
Number of Bathrooms	VIN	Amount Paid
House Price	Loan Amount	Start Date
Loan Amount	Interest Rate	Number of Payments
Interest Rate	Amount Paid	End Date
Amount Paid	Start Date	
Start Date	Number of Payments	
Number of Payments	End Date	
End Date		

When a customer applies for a loan, he/she must submit the proof of income. A staff will verify the income and either approve or deny the loan. You may assume that this verification process is done manually and not a part of the software system. Only after the loan is approved, the staff member will enter the information into the software system.

The software system is required to provide the staff with the following operations:

+ add/edit/remove/search a customer

+ browse the list of the customers

+ add/edit/remove a loan for a customer

+ browse/search for a loan

The software system is required to provide the customers with the following operations:

+ a customer must be able to view his/her current loans

Technical requirements:

+ The system must use an Oracle database.

+ The system must have a Graphical User Interface.