

## src/Loan.h

```
1 // Title : Loan.h
2 // Desc : Header file for Loan.cpp
3 // Name : An Tran
4
5 #include <string>
6 using std::string;
7
8 #ifndef LOAN_H
9 #define LOAN_H
10
11 class Loan
12 {
13 private:
14     float principal{0.0};
15     float interestRate{0.0};
16     int loanLength{0};
17     string loanType{""};
18
19 public:
20     // constructors
21     Loan();
22     Loan(float principal, float interestRate, int loanLength, string loanType);
23
24     // getters
25     float getPrincipal();
26     float getInterestRate();
27     float getLoanLength();
28     string getLoanType();
29
30     // setters
31     void setPrincipal(float newPrincipal);
32     void setInterestRate(float newInterestRate);
33     void setLoanLength(int newLoanLength);
34     void setLoanType(string newLoanType);
35
36     //other
37     virtual float monthlyPayment() = 0; //Pure virtual so it will be implemented in
derived classes
38     void displayLoan();
39     void saveLoan();
40 };
41
42 #endif
43
```