

LoanManagementSystem Version control

DatabaseContext.java ILoanRepositoryImpl.java MainModule.java Customer.java HomeLoan.java CarLoan.java

Run MainModule

```
"C:\Program Files\Eclipse Adoptium\jdk-21.0.6.7-hotspot\bin\java.exe" "-javaagent:D:\Intel Java\IntelliJ IDEA Community Edition 2023.1.1\lib\idea_rt
.jar=64765:D:\Intel Java\IntelliJ IDEA Community Edition 2023.1.1\bin" -Dfile.encoding=UTF-8 -Dsun.stdout.encoding=UTF-8 -Dsun.stderr.encoding=UTF-8
-classpath "D:\Hexaware\Foundation Training\Coding Challenge\LoanManagementSystem\target\classes;D:\Hexaware\Foundation Training\Coding
Challenge\LoanManagementSystem\lib\mysql-connector-j-9.2.0.jar" com.hexaware.MainModule

=== Loan Management System ===

Menu Options:
1. Apply for a Loan
2. View All Loans
3. View Specific Loan
4. Loan Repayment
5. Exit
Enter your choice: 2

=== All Loans ===

=== Loan Details ===
Loan ID      : 123
Customer     : Md
Principal    : ₹46440.142477358044
Interest Rate : 10.0%
Loan Term    : 15 months
Loan Type    : HomeLoan
Loan Status  : Pending
-----
--- Home Loan Details ---
Property Address : Adhiyaman Street
Property Value   : ₹60000
-----
```

LoanManagementSystem > src > main > java > com > hexaware > MainModule > applyForLoan 51:20 LF UTF-8 4 spaces

LoanManagementSystem Version control

Current File

DatabaseContext.java ILoanRepositoryImpl.java MainModule.java Customer.java HomeLoan.java CarLoan.java

Run MainModule

```
-----  
--- Home Loan Details ---  
Property Address : Adhiyaman Street  
Property Value   : ₹60000  
-----  
-----  
=== Loan Details ===  
Loan ID      : 456  
Customer     : Md  
Principal    : ₹90000.0  
Interest Rate : 20.0%  
Loan Term    : 12 months  
Loan Type    : CarLoan  
Loan Status  : Pending  
-----  
--- Car Loan Details ---  
Car Model    : XUV  
Car Value    : ₹50000  
-----  
-----  
Total number of loans: 2  
  
Menu Options:  
1. Apply for a Loan  
2. View All Loans  
3. View Specific Loan  
4. Loan Repayment  
5. Exit  
Enter your choice: 1
```

LoanManagementSystem > src > main > java > com > hexaware > MainModule > applyForLoan 103:20 LF UTF-8 4 spaces

LoanManagementSystem Version control

Current File

DatabaseContext.java ILoanRepositoryImpl.java MainModule.java Customer.java HomeLoan.java CarLoan.java

Run MainModule

↑

↓

⇌

⇓

📄

🗑

Menu Options:
1. Apply for a Loan
2. View All Loans
3. View Specific Loan
4. Loan Repayment
5. Exit
Enter your choice: 1

=== Apply for a Loan ===
Select Loan Type:
1. Home Loan
2. Car Loan
Enter choice (1-2): 2
Enter Loan ID: 212

=== Enter Customer Details ===
Enter Customer ID: 2
Enter Name: Arjun
Enter Email Address: arjun@gmail.com
Enter Phone Number: 9876541230
Enter Address: Chennai
Enter Credit Score: 720
Enter Principal Amount: 1000000
Enter Interest Rate (% per annum): 10
Enter Loan Term (months): 24
Enter Car Model: Audi A9
Enter Car Value: 1400000

Loan Summary:

LoanManagementSystem > src > main > java > com > hexaware > MainModule > applyForLoan 103:20 LF UTF-8 4 spaces

LoanManagementSystem Version control

Project DatabaseContext.java ILoanRepositoryImpl.java MainModule.java Customer.java HomeLoan.java CarLoan.java

Run MainModule

Enter Principal Amount: 1000000
Enter Interest Rate (% per annum): 10
Enter Loan Term (months): 24
Enter Car Model: Audi A9
Enter Car Value: 1400000

Loan Summary:
Principal Amount: \$1000000.0
Interest Rate: 10.0% per annum
Loan Term: 24 months
Total Interest: \$20000000.00
Monthly EMI: \$46144.93
Loan Application Details:

=== Loan Details ===
Loan ID : 212
Customer : Arjun
Principal : ₹1000000.0
Interest Rate : 10.0%
Loan Term : 24 months
Loan Type : CarLoan
Loan Status : Pending

--- Car Loan Details ---
Car Model : Audi A9
Car Value : ₹1400000

Confirm loan application (Yes/No): yes
Loan application submitted successfully!

LoanManagementSystem > src > main > java > com > hexaware > MainModule > applyForLoan 103:20 LF UTF-8 4 spaces

LoanManagementSystem ▾ Version control ▾

Current File ▾

Project ▾ DatabaseContext.java ILoanRepositoryImpl.java MainModule.java × Customer.java HomeLoan.java CarLoan.java ▾

Run MainModule ×

```
Menu Options:
1. Apply for a Loan
2. View All Loans
3. View Specific Loan
4. Loan Repayment
5. Exit
Enter your choice: 3

=== View Specific Loan ===
Enter Loan ID: 212
Loan Details:

=== Loan Details ===
Loan ID      : 212
Customer     : Arjun
Principal    : ₹1000000.0
Interest Rate : 10.0%
Loan Term    : 24 months
Loan Type    : CarLoan
Loan Status  : Pending
-----
--- Car Loan Details ---
Car Model    : Audi A9
Car Value    : ₹1400000
-----

Additional Information:
Total Interest: $20000000.00
Monthly EMI: $46144.93
```

LoanManagementSystem > src > main > java > com > hexaware > MainModule > applyForLoan

133:20 LF UTF-8 4 spaces

LoanManagementSystem ▾ Version control ▾

Current File ▾

Project ▾ DatabaseContext.java ILoanRepositoryImpl.java MainModule.java × Customer.java HomeLoan.java CarLoan.java ▾

Run MainModule × m

```
Menu Options:
1. Apply for a Loan
2. View All Loans
3. View Specific Loan
4. Loan Repayment
5. Exit
Enter your choice: 4

=== Loan Repayment ===
Enter Loan ID: 212
Loan Details:

=== Loan Details ===
Loan ID      : 212
Customer     : Arjun
Principal    : ₹1000000.0
Interest Rate : 10.0%
Loan Term    : 24 months
Loan Type    : CarLoan
Loan Status  : Pending
-----
--- Car Loan Details ---
Car Model    : Audi A9
Car Value    : ₹1400000
-----
Monthly EMI: $46144.93
Enter payment amount: $46144.93
Payment of 46144.926337516656 processed. 1 EMI(s) paid.
Remaining loan amount: 953855.0736624834
```

LoanManagementSystem > src > main > java > com > hexaware > MainModule > applyForLoan

163:20 LF UTF-8 4 spaces