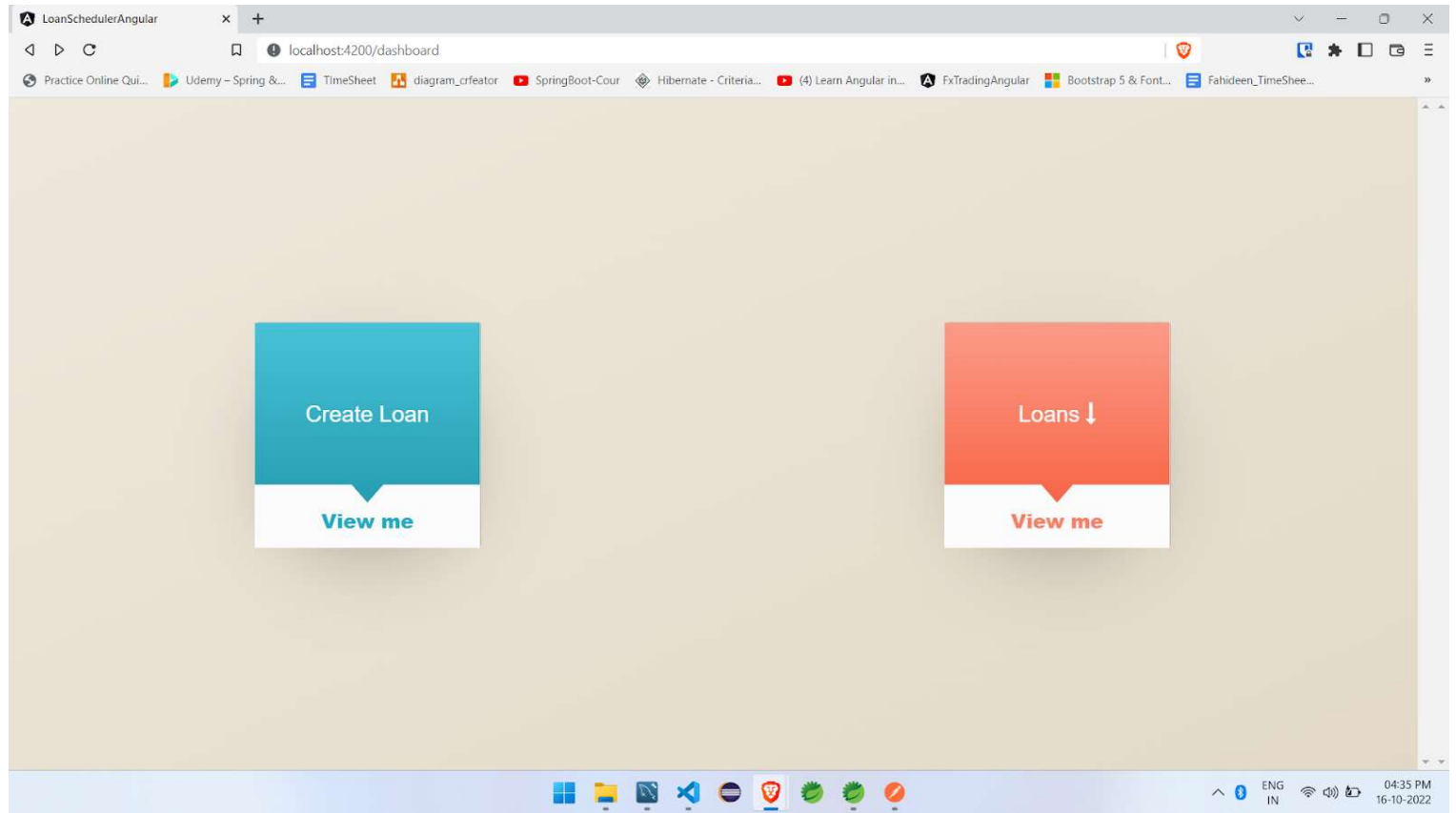


Loan Scheduler Documentation

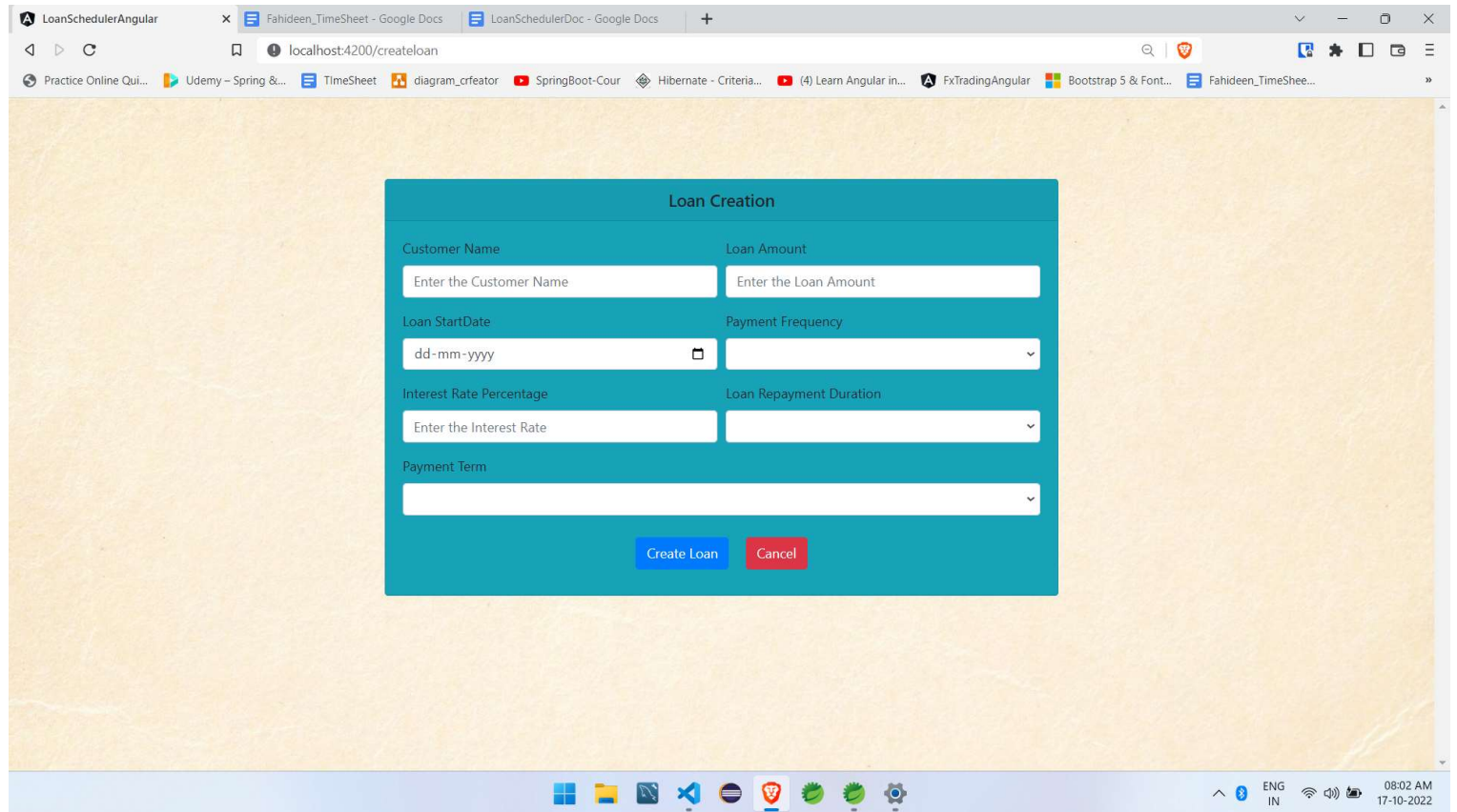
Loan Scheduler HomePage



As You can see there are two options available

1. Create Loan - This option is used to create loan for a customer.
2. Loans - This option is used to Display all users with their Payment schedule.

Loan Scheduler Create Loan Page



The screenshot shows a web browser window with the URL `localhost:4200/createloan`. The browser's tab bar includes 'LoanSchedulerAngular', 'Fahideen_TimeSheet - Google Docs', and 'LoanSchedulerDoc - Google Docs'. The address bar shows the URL. The browser's toolbar includes navigation buttons, a search bar, and various extension icons. The page content is a teal-colored form titled 'Loan Creation'. The form contains the following fields and controls:

- Customer Name**: A text input field with the placeholder 'Enter the Customer Name'.
- Loan Amount**: A text input field with the placeholder 'Enter the Loan Amount'.
- Loan StartDate**: A date input field with the placeholder 'dd-mm-yyyy' and a calendar icon.
- Payment Frequency**: A dropdown menu.
- Interest Rate Percentage**: A text input field with the placeholder 'Enter the Interest Rate'.
- Loan Repayment Duration**: A dropdown menu.
- Payment Term**: A dropdown menu.
- Create Loan**: A blue button.
- Cancel**: A red button.

The browser's taskbar at the bottom shows various application icons and the system clock indicating 08:02 AM on 17-10-2022.

In this page you can create loan for a customer after creating a loan it will automatically generate payment schedule for this

For Loan creation You have to provide this details:

- **Customer Name** - Name of the Customer
- **Loan Amount** - Loan amount required by the customer
- **Loan start Date** - When you want to start loan payment amount .you can start same day also(interest is calculated from this day)
- **Payment Frequency** - You can pay monthly or quarterly or half-yearly or yearly payment
- **Interest Rate (in %)** - Interest percentage of the loan (minimum is 1 percent)
- **Loan Repayment Duration** - In how many years do you wish to pay the loan amount(minimum is one year)
- **Payment Term** - You can choose interest only or Even principle scheme based on your need.

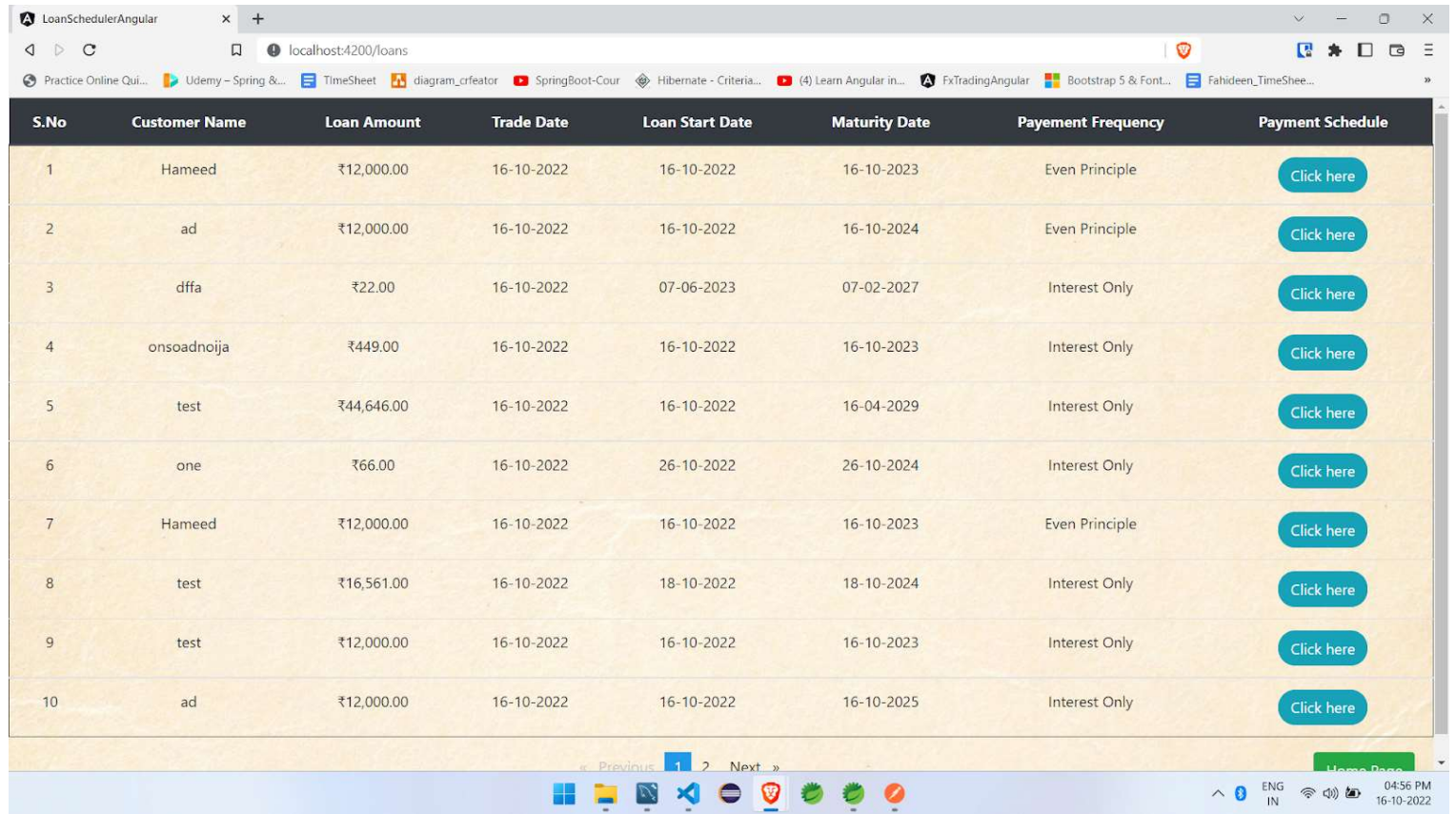
Loan Scheduler Create Loan Page Error Handling

The screenshot shows a web browser window with the title 'LoanSchedulerAngular' and the address bar displaying 'localhost:4200/createloan'. The browser's tab bar shows several open tabs, including 'Practice Online Qui...', 'Udemy - Spring &...', 'TimeSheet', 'diagram_crfeator', 'SpringBoot-Cour', 'Hibernate - Criteria...', '(4) Learn Angular in...', 'FxTradingAngular', 'Bootstrap 5 & Font...', and 'Fahideen_TimeShee...'. The main content area displays a 'Loan Creation' form with the following fields and error messages:

- Customer Name:** Input field with placeholder 'Enter the Customer Name' and a red error message 'Customer Name is required'.
- Loan Amount:** Input field with placeholder 'Enter the Loan Amount' and a red error message 'Loan Amount is required'.
- Loan StartDate:** Input field with placeholder 'Enter in Days' and a red error message 'Loan StartDate is required'.
- Payment Frequency:** Dropdown menu with a red error message 'Payment term is required'.
- Interest Rate Percentage:** Input field with placeholder 'Enter the Interest Rate' and a red error message 'Interest Rate is required'.
- Loan Repayment Duration:** Input field with placeholder 'Enter in months' and a red error message 'Loan Repayment duration is required'.
- Payment Term:** Dropdown menu with a red error message 'Payment Term is required'.

At the bottom of the form, there are two buttons: 'Create Loan' (blue) and 'Cancel' (red). The Windows taskbar at the bottom shows the system clock as 04:44 PM on 16-10-2022.

Loan Scheduler Loans Page



S.No	Customer Name	Loan Amount	Trade Date	Loan Start Date	Maturity Date	Payment Frequency	Payment Schedule
1	Hameed	₹12,000.00	16-10-2022	16-10-2022	16-10-2023	Even Principle	Click here
2	ad	₹12,000.00	16-10-2022	16-10-2022	16-10-2024	Even Principle	Click here
3	dffa	₹22.00	16-10-2022	07-06-2023	07-02-2027	Interest Only	Click here
4	onsoadnoijja	₹449.00	16-10-2022	16-10-2022	16-10-2023	Interest Only	Click here
5	test	₹44,646.00	16-10-2022	16-10-2022	16-04-2029	Interest Only	Click here
6	one	₹66.00	16-10-2022	26-10-2022	26-10-2024	Interest Only	Click here
7	Hameed	₹12,000.00	16-10-2022	16-10-2022	16-10-2023	Even Principle	Click here
8	test	₹16,561.00	16-10-2022	18-10-2022	18-10-2024	Interest Only	Click here
9	test	₹12,000.00	16-10-2022	16-10-2022	16-10-2023	Interest Only	Click here
10	ad	₹12,000.00	16-10-2022	16-10-2022	16-10-2025	Interest Only	Click here

Example of How loans page will show

As you can see there are users with even principle scheme and interest only scheme.

Loan Scheduler Selected user Even principle

S.No	Customer Name	Payment ID	Principal Amount	Projected Interest	Payment Date	Payment Status	Amount to be Paid	Payment Button
1	Hameed	1	₹12,000.00	₹1,200.00	16-11-2022	PAID	₹2,200.00	<button>Paid Successfully</button>
2	Hameed	2	₹11,000.00	₹1,100.00	16-12-2022	PAID	₹2,100.00	<button>Paid Successfully</button>
3	Hameed	3	₹10,000.00	₹1,000.00	16-01-2023	AWAITINGPAYMENT	₹2,000.00	<button>Pay</button>
4	Hameed	4	₹9,000.00	₹900.00	16-02-2023	PROJECTED	₹1,900.00	<button>Pay</button>
5	Hameed	5	₹8,000.00	₹800.00	16-03-2023	PROJECTED	₹1,800.00	<button>Pay</button>
6	Hameed	6	₹7,000.00	₹700.00	16-04-2023	PROJECTED	₹1,700.00	<button>Pay</button>
7	Hameed	7	₹6,000.00	₹600.00	16-05-2023	PROJECTED	₹1,600.00	<button>Pay</button>
8	Hameed	8	₹5,000.00	₹500.00	16-06-2023	PROJECTED	₹1,500.00	<button>Pay</button>
9	Hameed	9	₹4,000.00	₹400.00	16-07-2023	PROJECTED	₹1,400.00	<button>Pay</button>
10	Hameed	10	₹3,000.00	₹300.00	16-08-2023	PROJECTED	₹1,300.00	<button>Pay</button>
11	Hameed	11	₹2,000.00	₹200.00	16-09-2023	PROJECTED	₹1,200.00	<button>Pay</button>

We can see the payment schedule of the user when the payment pay comes disabled blue pay button will change to red color pay button now you are allowed to pay when user clicked pay button(AWAITING status) Page ask for confirmation ,after confirmation user can pay status will be changed

Customer Hameed If he choose even principle with amount of 12000 with monly payment with 10 percentage interest

Example of pressing pay button

LoanSchedulerAngular localhost:4200/current/1

S.No	Customer Name	Payment ID	Principal Amount	Projected Interest	Payment Date	Payment Status	Amount to be Paid	Payment Button
1	Hameed	1	₹12,000.00	₹1,200.00	16-11-2022	PAID	₹2,200.00	Paid Sucessfully
2	Hameed	2	₹11,000.00	₹1,100.00	16-12-2022	PAID	₹2,100.00	Paid Sucessfully
3	Hameed	3	₹10,000.00	₹1,000.00	16-01-2023	PAYMENT	₹2,000.00	Pay
4	Hameed	4	₹9,000.00	₹900.00	16-02-2023	PAYMENT	₹1,900.00	Pay
5	Hameed	5	₹8,000.00	₹800.00	16-03-2023	PAYMENT	₹1,800.00	Pay
6	Hameed	6	₹7,000.00	₹700.00	16-04-2023	PAYMENT	₹1,700.00	Pay
7	Hameed	7	₹6,000.00	₹600.00	16-05-2023	PAYMENT	₹1,600.00	Pay
8	Hameed	8	₹5,000.00	₹500.00	16-06-2023	PAYMENT	₹1,500.00	Pay
9	Hameed	9	₹4,000.00	₹400.00	16-07-2023	PROJECTED	₹1,400.00	Pay
10	Hameed	10	₹3,000.00	₹300.00	16-08-2023	PROJECTED	₹1,300.00	Pay
11	Hameed	11	₹2,000.00	₹200.00	16-09-2023	PROJECTED	₹1,200.00	Pay

Are you sure?
Your are paying Rs 2000.00
Yes, Pay! Cancel

05:03 PM 16-10-2022

LoanSchedulerAngular localhost:4200/current/1

S.No	Customer Name	Payment ID	Principal Amount	Projected Interest	Payment Date	Payment Status	Amount to be Paid	Payment Button
1	Hameed	1	₹12,000.00	₹1,200.00	16-11-2022	PAID	₹2,200.00	Paid Sucessfully
2	Hameed	2	₹11,000.00	₹1,100.00	16-12-2022	PAID	₹2,100.00	Paid Sucessfully
3	Hameed	3	₹10,000.00	₹1,000.00	16-01-2023	PAYMENT	₹2,000.00	Pay
4	Hameed	4	₹9,000.00	₹900.00	16-02-2023	PAYMENT	₹1,900.00	Pay
5	Hameed	5	₹8,000.00	₹800.00	16-03-2023	PAYMENT	₹1,800.00	Pay
6	Hameed	6	₹7,000.00	₹700.00	16-04-2023	PAYMENT	₹1,700.00	Pay
7	Hameed	7	₹6,000.00	₹600.00	16-05-2023	PAYMENT	₹1,600.00	Pay
8	Hameed	8	₹5,000.00	₹500.00	16-06-2023	PAYMENT	₹1,500.00	Pay
9	Hameed	9	₹4,000.00	₹400.00	16-07-2023	PROJECTED	₹1,400.00	Pay
10	Hameed	10	₹3,000.00	₹300.00	16-08-2023	PROJECTED	₹1,300.00	Pay
11	Hameed	11	₹2,000.00	₹200.00	16-09-2023	PROJECTED	₹1,200.00	Pay

Sucess!
Your Payment is Accepted.
OK

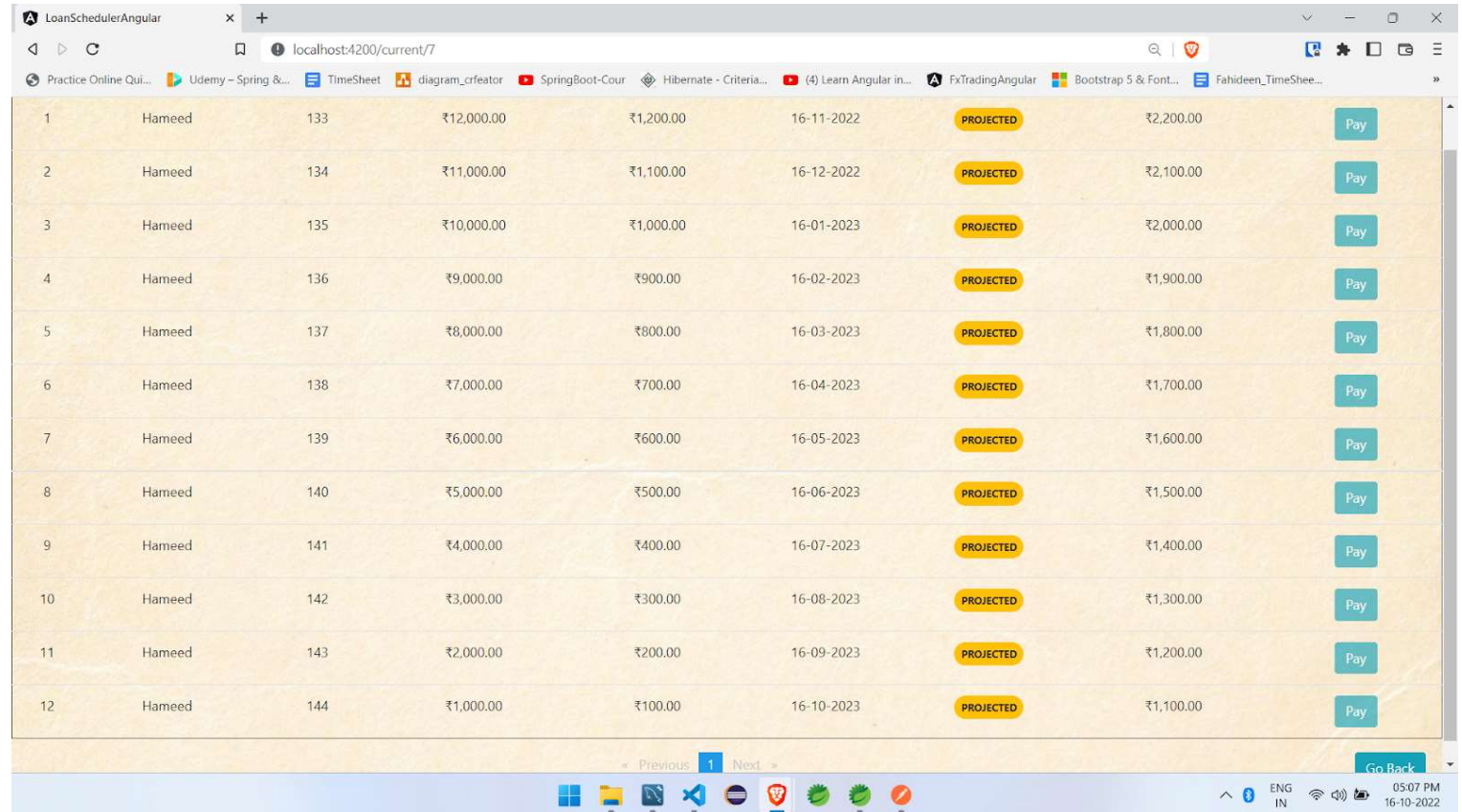
05:04 PM 16-10-2022

S.No	Customer Name	Payment ID	Principal Amount	Projected Interest	Payment Date	Payment Status	Amount to be Paid	Payment Button
1	Hameed	1	₹12,000.00	₹1,200.00	16-11-2022	PAID	₹2,200.00	✓ Paid Successfully
2	Hameed	2	₹11,000.00	₹1,100.00	16-12-2022	PAID	₹2,100.00	✓ Paid Successfully
3	Hameed	3	₹10,000.00	₹1,000.00	16-01-2023	PAID	₹2,000.00	✓ Paid Successfully
4	Hameed	4	₹9,000.00	₹900.00	16-02-2023	PROJECTED	₹1,900.00	Pay
5	Hameed	5	₹8,000.00	₹800.00	16-03-2023	PROJECTED	₹1,800.00	Pay
6	Hameed	6	₹7,000.00	₹700.00	16-04-2023	PROJECTED	₹1,700.00	Pay
7	Hameed	7	₹6,000.00	₹600.00	16-05-2023	PROJECTED	₹1,600.00	Pay
8	Hameed	8	₹5,000.00	₹500.00	16-06-2023	PROJECTED	₹1,500.00	Pay
9	Hameed	9	₹4,000.00	₹400.00	16-07-2023	PROJECTED	₹1,400.00	Pay
10	Hameed	10	₹3,000.00	₹300.00	16-08-2023	PROJECTED	₹1,300.00	Pay
11	Hameed	11	₹2,000.00	₹200.00	16-09-2023	PROJECTED	₹1,200.00	Pay

As you can see Hameed's Third Payment is Paid successfully

Loan Scheduler Selected user Interest only principle

Same Customer Hameed if he choose Interest only principle with amount of 12000 with monly payment with 10 percentage interest



1	Hameed	133	₹12,000.00	₹1,200.00	16-11-2022	PROJECTED	₹2,200.00	Pay
2	Hameed	134	₹11,000.00	₹1,100.00	16-12-2022	PROJECTED	₹2,100.00	Pay
3	Hameed	135	₹10,000.00	₹1,000.00	16-01-2023	PROJECTED	₹2,000.00	Pay
4	Hameed	136	₹9,000.00	₹900.00	16-02-2023	PROJECTED	₹1,900.00	Pay
5	Hameed	137	₹8,000.00	₹800.00	16-03-2023	PROJECTED	₹1,800.00	Pay
6	Hameed	138	₹7,000.00	₹700.00	16-04-2023	PROJECTED	₹1,700.00	Pay
7	Hameed	139	₹6,000.00	₹600.00	16-05-2023	PROJECTED	₹1,600.00	Pay
8	Hameed	140	₹5,000.00	₹500.00	16-06-2023	PROJECTED	₹1,500.00	Pay
9	Hameed	141	₹4,000.00	₹400.00	16-07-2023	PROJECTED	₹1,400.00	Pay
10	Hameed	142	₹3,000.00	₹300.00	16-08-2023	PROJECTED	₹1,300.00	Pay
11	Hameed	143	₹2,000.00	₹200.00	16-09-2023	PROJECTED	₹1,200.00	Pay
12	Hameed	144	₹1,000.00	₹100.00	16-10-2023	PROJECTED	₹1,100.00	Pay