

Payments Management System

Click here to view project online [DeployedLink](#)

Problem Statement:

A fintech startup needs a secure internal system to manage all payment flows with traceability and reporting.

Core Features Implemented are :-

HomePage

Pages/Views:

HomeComponent.vue – Displays dashboard for quick overview

User Management

Pages/Views:

UserList.vue – Display all users

UserForm.vue – Create user

Payment Management

Pages/Views:

PaymentList.vue – Display all payments with filters

PaymentDetail.vue – Show payment details by ID

PaymentForm.vue – Create/Update payment

Testing

Pages/Views: Used jest (unit testing)

paymentdetail.spec.js

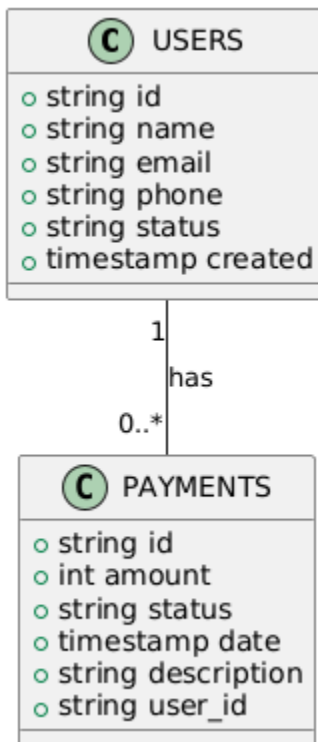
paymentform.spec.js

paymentlist.spec.js

GITHUB LINK :- <https://github.com/Psrijith/Payment-Management-System>

[Github Link](#)

Models :



Data :

```
{
  "name": "Charlie Green",
  "email": "charlie.green@example.com",
  "phone": "+1-555-0127",
  "status": "active",
  "created": 1705622400,
  "id": "5"
},
{
  "user": "Charlie Green",
  "amount": 4600,
  "status": "completed",
  "date": 1706400000,
  "description": "Annual membership fee",
  "id": "5"
},
```

This project uses [MockAPI](#) as the backend service for handling all API requests

Default API base URL is set in `src/api/index.js`:
`https://68cc236b716562cf507693eb.mockapi.io`

These models are created inside `src/models`

`Users.vue`

`Payments.vue`

Project structure (important files)

src/main.js — app entry point (mounts Vue, Pinia, Router)
src/App.vue — main layout, navigation, and top bar
src/router/index.js — route definitions for users/payments
src/views/PaymentList.vue — payments listing and filtering
src/views/PaymentForm.vue — create/edit payment form and methods
src/views/PaymentDetail.vue — payment detail and status actions
src/services/PaymentService.js — Axios-based API calls for payments
src/services/UserService.js — Axios-based API calls for users
src/models/Payment.js and src/models/User.js — data models with helpers
src/api/index.js — Axios instance (update baseURL to point to your backend)
tests/ — Jest test files

Project Flow

App starts at main.js → mounts App.vue (sidebar + <router-view>).

Sidebar routes:

Dashboard (/) — shows counts (payments, users) and summaries.

Payments (/payments) — list of payments.

Users (users) — list of users.

Common actions:

New → /payments/new or /users/new → open form → submit → POST to API, then redirect to list.

View → /payments/:id → fetch single item and show details.

Edit → /payments/:id/edit or /users/:id/edit → load item into form → submit → PUT to API → redirect to list.

Delete → confirmation → DELETE to API → refresh list.

Data layer: services in src/services/* call index.js (axios) which talks to the backend; Pinia holds minimal user state.

Required instructions for the evaluator to run the entire project :

Prerequisites:

Node.js 18+ (recommended)
npm

Clone the repo
git clone <https://github.com/Psrijith/Payment-Management-System.git>

Steps :

Step 1 : Install dependencies
npm install

Step 2 : Start dev server
npm run dev

Step 3 : Open <http://localhost:5173> in your browser.

Scripts

npm run dev — start Vite dev server
npm run build — build production bundle
npm test — run Jest tests

Testing

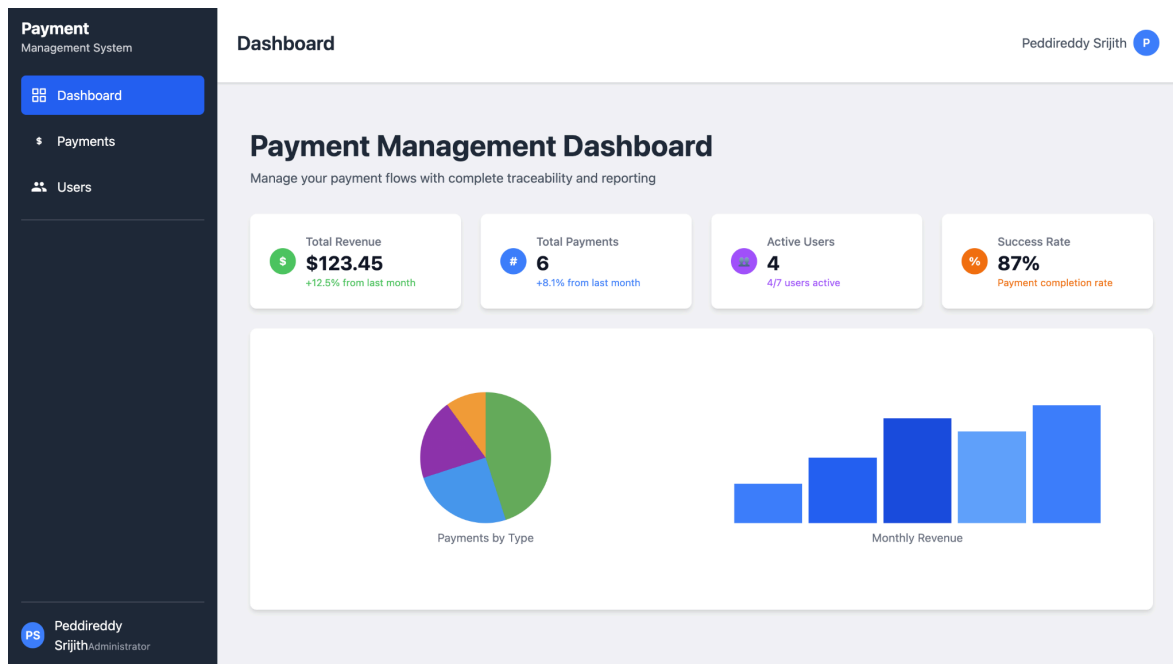
This project uses Jest for unit tests. Tests live in the tests/ folder and include both .test.js and .spec.js files.

Run tests:

npm test

Screenshots:

HomeComponent :
DashBoard is opened



Payments :

Payment Management

Viewing All Payments [+ New Payment](#)

Search by user... All Status

USER	AMOUNT	STATUS	DATE	ACTIONS
Srijith	\$696.00	completed	20/01/1970	View Details Edit Delete
Jane Smith	\$1200.00	cancelled	20/01/1970	View Details Edit Delete
John Doe	\$275.00	pending	20/01/1970	View Details Edit Delete
Charlie Green	\$4600.00	completed	20/01/1970	View Details Edit Delete
Diana White	\$12345.00	pending	20/09/2025	View Details Edit Delete
Fiona Gray	\$999.00	cancelled	20/01/1970	View Details Edit Delete

Showing 1 to 6 of 6 results

Previous **1** Next

Create Payment :

Payment
Management System

Dashboard

Payments

Users

PS Peddireddy
SrijithAdministrator

← Back

Create New Payment

Select User *

Select a user...

Amount *

\$ 0

Description

Enter payment description...

Payment Method *

Credit/Debit Card

Status *

Pending

Payment Date *

20/09/2025, 09:00 PM

Cancel

Create Payment

View Details :

Payment
Management System

Dashboard

Payments

Users

PS Peddireddy
SrijithAdministrator

← Back

Payment Details

Edit Payment

Delete Payment

Payment Status

COMPLETED

Payment Amount

\$696.00

Payment Information

Payment ID: 1

Amount: \$696.00

Category: General

Payment Method: Card

Date: 20/01/1970

User Information

User Name: Srijith

User ID: 7

Description

Wire transfer - Done by user

Users :

Payment
Management System

Dashboard

Payments

Users

PS

Peddireddy
SrijithAdministrator

Viewing All Users

+ Add User

All Status ▼Sort by Name ▼

USER	CONTACT	STATUS	CREATED	ACTIONS
<div>A</div> <div>Alice Brown</div> <div>ID: 4</div>	alice.brown@example.com +1-555-0126	inactive	20/01/1970	Edit Delete
<div>B</div> <div>Bob Johnson</div> <div>ID: 3</div>	bob.johnson@example.com +1-555-0125	inactive	20/01/1970	Edit Delete
<div>C</div> <div>Charlie Green</div> <div>ID: 5</div>	charlie.green@example.com +1-555-0127	active	20/01/1970	Edit Delete
<div>D</div> <div>Diana White</div> <div>ID: 6</div>	diana.white@example.com +1-555-0128	inactive	20/01/1970	Edit Delete
<div>J</div> <div>Jane Smith</div> <div>ID: 2</div>	jane.smith@example.com +1-555-0124	active	20/01/1970	Edit Delete
<div>J</div> <div>John Doe</div> <div>ID: 1</div>	john.doe@example.com +1-555-0123	active	20/01/1970	Edit Delete
<div>S</div> <div>Srijith</div> <div>ID: 7</div>	srijith@zeta.tech 1234567890	active	20/09/2025	Edit Delete

Test and Running :

```
srijithreddy@Srijiths-MacBook-Pro PaymentManagementVue % npm run test

> paymentpp@0.0.0 test
> jest

PASS tests/paymentform.spec.js
PASS tests/paymentlist.spec.js
PASS tests/paymentdetail.spec.js

Test Suites: 3 passed, 3 total
Tests: 6 passed, 6 total
Snapshots: 0 total
Time: 0.906 s
Ran all test suites.
srijithreddy@Srijiths-MacBook-Pro PaymentManagementVue % npm run dev

> paymentpp@0.0.0 dev
> vite

VITE v7.1.6 ready in 1093 ms

→ Local: http://localhost:5173/
→ Network: use --host to expose
→ press h + enter to show help
```