

School Payment System

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Routes :

All routes collection ->

<https://.postman.co/workspace/My-Workspace~8f94530d-4728-40e1-8da4-7b7e132212c2/collection/27206076-54c5e43d-c176-47e9-8642-52caac0ecd06?action=share&creator=27206076>

Backend :

Database Schemas (Folder -> models)

User Schema :

```
1
2 const userSchema = new mongoose.Schema({
3   username: {
4     type: String,
5     required: true,
6     unique: true,
7   },
8   password: {
9     type: String,
10    required: true,
11  },
12  email: {
13    type: String,
14    required: true,
15    unique: true,
16  },
17  role: {
18    type: String,
19    enum: ["admin", "user"],
20    default: "user",
21  },
22  createdAt: {
23    type: Date,
24    default: Date.now,
25  },
26 })
```

OrderSchema :

```
1
2  const orderSchema = new mongoose.Schema({
3    school_id: {
4      type: String,
5      required: true,
6    },
7    trustee_id: {
8      type: String,
9      required: true,
10   },
11   student_info: {
12     name: { type: String, required: true },
13     id: { type: String, required: true },
14     email: { type: String, required: true },
15   },
16   gateway_name: {
17     type: String,
18     required: true,
19   },
20   amount: {
21     type: Number,
22     required: true,
23   },
24   edviron_collect_id: {
25     type: String,
26     required: true,
27   },
28   custom_order_id: {
29     type: String,
30     required: true,
31   },
32   createdAt: {
33     type: Date,
34     default: Date.now,
35   },
36 })
37
38 // Add indexes for frequently queried fields
39 orderSchema.index({ school_id: 1 })
40
41 module.ex
```

Order Status Schema :

```
1  const orderStatusSchema = new mongoose.Schema({
2    order_id: {
3      type: mongoose.Schema.Types.ObjectId,
4      ref: "Order",
5      required: true,
6    },
7    order_amount: {
8      type: Number,
9      required: true,
10   },
11   transaction_amount: {
12     type: Number,
13     required: true,
14   },
15   gateway: {
16     type: String,
17   },
18   bank_reference: {
19     type: String,
20   },
21   status: {
22     type: String,
23     enum: ["pending", "success", "failed"],
24     default: "pending",
25   },
26   payment_mode: {
27     type: String,
28   },
29   payment_details: {
30     type: String,
31   },
32   payment_message: {
33     type: String,
34   },
35   payment_time: {
36     type: Date,
37     default: Date.now,
38   },
39   edviron_collect_id: {
40     type: String,
41     required: true,
42   },
43   error_message: {
44     type: String,
45   },
46 })
47
48 // Add indexes for frequently queried fields
49 orderStatusSchema.index({ order_id: 1 })
50 orderStatusSchema.index({ status: 1 })
```

Webhooks Log Schema :

```
1  const mongoose = require("mongoose")
2
3  const webhookLogSchema = new mongoose.Schema({
4    collect_request_id: {
5      type: String,
6      required: true,
7    },
8    status: {
9      type: String,
10     enum: ["PENDING", "SUCCESS", "FAILED"],
11     default: "PENDING",
12   },
13   order_id: {
14     type: mongoose.Schema.Types.ObjectId,
15     ref: "Order",
16     required: true,
17   }
18 })
19
20 module.exports = mongoose.model("WebhookLog", webhookLogSchema)
```

1. Authentication

Register user

Request body -> username, email, password, confirm password.

Local host Url

<http://localhost:3000/api/auth/register>

Deployed Url

<https://edviron-full-stack-developer-assessment.onrender.com/api/auth/register>

Login User

Request body -> username , password

Localhost Url

<http://localhost:3000/api/auth/login>

Deployed Url

<https://edviron-full-stack-developer-assessment.onrender.com/api/auth/login>

Get Current user data

Protected route -> Before going to this route login first.

Local host Url

<http://localhost:3000/api/auth/me>

Deployed Url

<https://edviron-full-stack-developer-assessment.onrender.com/api/auth/me>

Payment Routes :

Request body -> { "school_id": "65b0e6293e9f76a9694d84b4", "amount": 100 }

Create Payments

<http://localhost:3000/api/payments/create-payment>

<https://edviron-full-stack-developer-assessment.onrender.com/api/payments/create-payment>

Webhook endpoint

<http://localhost:3000/api/payments/webhook>

<https://edviron-full-stack-developer-assessment.onrender.com/api/payments/webhook>

Check Payment Status

<http://localhost:3000/api/payments/check-status>

<https://edviron-full-stack-developer-assessment.onrender.com/api/payments/check-status>

Transactions endpoints :

Get All Transactions :

<http://localhost:3000/api/transactions/>

<https://edviron-full-stack-developer-assessment.onrender.com/api/transactions/>

Get transaction by school id:

<http://localhost:3000/api/transactions/school/:schoolId>

<https://edviron-full-stack-developer-assessment.onrender.com/api/transactions/school/:schoolId>

Check status of a transaction by customOrderId :

<http://localhost:3000/api/transactions/status/:customOrderId>

<https://edviron-full-stack-developer-assessment.onrender.com/api/transactions/status/:customOrderId>

Frontend pages

Signup / Login Page

The image displays two side-by-side screenshots of the frontend pages for a school payment system.

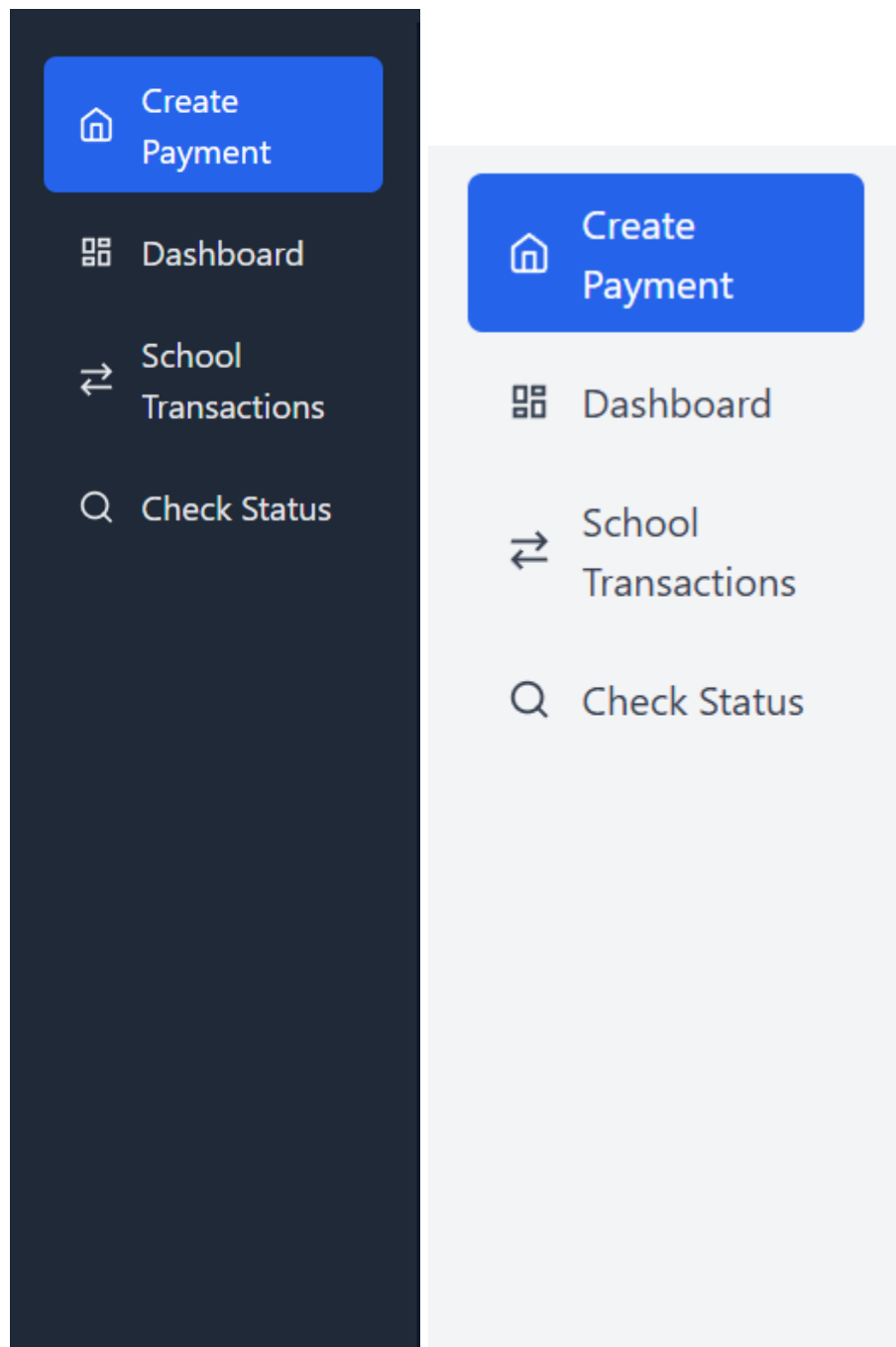
Left Page: Create an Account

- Header:** Create an Account
- Username:** Choose a username
- Email:** Enter your email
- Password:** Create a password
- Confirm Password:** Confirm your password
- Register Button:** Register
- Footer:** Already have an account? [Sign in](#)

Right Page: School Payment System

- Header:** School Payment System
- Username:** Enter your username
- Password:** Enter your password
- Sign in Button:** Sign in
- Guest Login Button:** Guest Login
- Footer:** Don't have an account? [Register](#)

Sidebar



Navbar



Create payment page -> To create a new payment

The image shows a dark-themed 'Create Payment' form. It has a title 'Create Payment' at the top. Below the title are two input fields: 'School ID' and 'Amount'. At the bottom of the form are two buttons: 'Pay' and 'Auto Fill'.

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Dashboard -> Transaction table

School Payment System

Create Payment

Dashboard

School Transactions

Check Status

Transactions Overview

Transaction Amount

Total: ₹108201

Today: ₹0

Number of Schools

Total Schools: 1

Number of Transactions

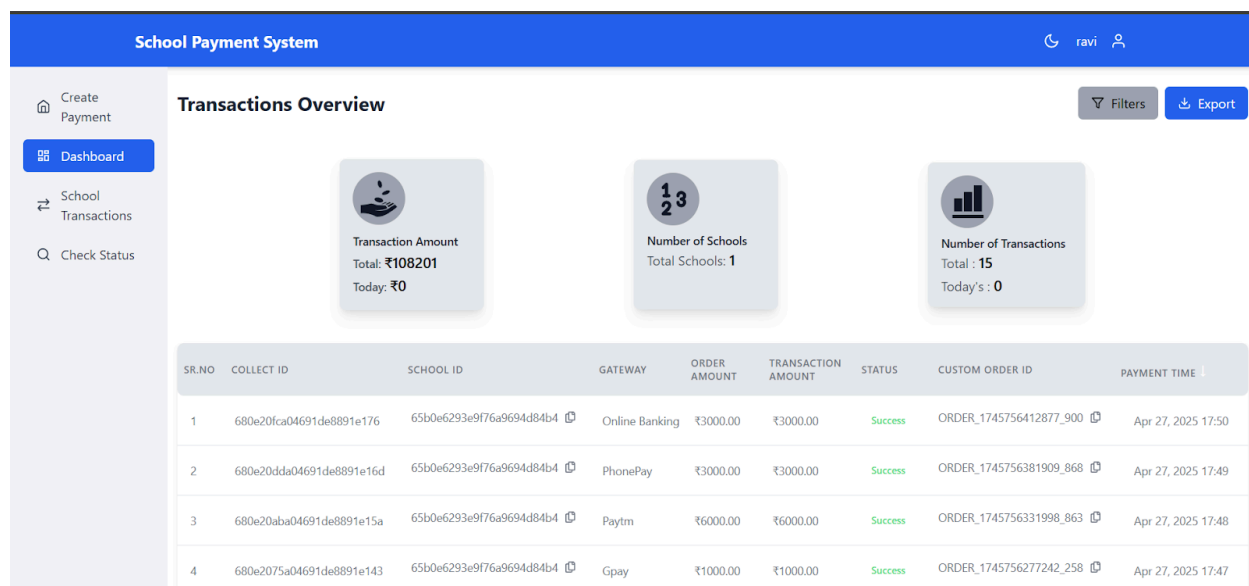
Total : 15

Today's : 0

Filters

Export

SR.NO	COLLECT ID	SCHOOL ID	GATEWAY	ORDER AMOUNT	TRANSACTION AMOUNT	STATUS	CUSTOM ORDER ID	PAYMENT TIME ↓
1	680e20fca04691de8891e176	65b0e6293e9f76a9694d84b4	Online Banking	₹3000.00	₹3000.00	Success	ORDER_1745756412877_900	Apr 27, 2025 17:50
2	680e20dda04691de8891e16d	65b0e6293e9f76a9694d84b4	PhonePay	₹3000.00	₹3000.00	Success	ORDER_1745756381909_868	Apr 27, 2025 17:49
3	680e20aba04691de8891e15a	65b0e6293e9f76a9694d84b4	Paytm	₹6000.00	₹6000.00	Success	ORDER_1745756331998_863	Apr 27, 2025 17:48
4	680e2075a04691de8891e143	65b0e6293e9f76a9694d84b4	Gpay	₹1000.00	₹1000.00	Success	ORDER_1745756277242_258	Apr 27, 2025 17:47



Filters of this table

Transactions Overview

Filters

Export

Status

All Statures

Start Date

mm/dd/yyyy

School ID

Enter School ID

Reset

Apply Filters

Transactions Overview

Filters

Export

Status

All Statures

Start Date

mm/dd/yyyy

School ID

Enter School ID

Reset

Apply Filters

School transaction page

Transactions by School

Export

School ID

65b0e6293e9f76a9694d84b4

Search

COLLECT ID	GATEWAY	ORDER AMOUNT	TRANSACTION AMOUNT	STATUS	CUSTOM ORDER ID	PAYMENT TIME
680e20fca04691de8891e176	Online Banking	₹3000.00	₹3000.00	Success	ORDER_1745756412877_900	Apr 27, 2025 17:50
680e20dda04691de8891e16d	PhonePay	₹3000.00	₹3000.00	Success	ORDER_1745756381909_868	Apr 27, 2025 17:49
680e20aba04691de8891e15a	Paytm	₹6000.00	₹6000.00	Success	ORDER_1745756331998_863	Apr 27, 2025 17:48
680e2075a04691de8891e143	Gpay	₹1000.00	₹1000.00	Success	ORDER_1745756277242_258	Apr 27, 2025 17:47
680e2045a04691de8891e132	Gpay	₹1201.00	₹1201.00	Success	ORDER_1745756229865_508	Apr 27, 2025 17:47
680e2026a04691de8891e125	Paytm	₹12000.00	₹12000.00	Success	ORDER_1745756198731_562	Apr 27, 2025 17:46
680e1ff4a04691de8891e118	GPay	₹10000.00	₹10000.00	Success	ORDER_1745756148695_308	Apr 27, 2025 17:45

Transactions by School

Export

School ID

65b0e6293e9f76a9694d84b4

Search

COLLECT ID	GATEWAY	ORDER AMOUNT	TRANSACTION AMOUNT	STATUS	CUSTOM ORDER ID	PAYMENT TIME
680ba8da8a5bd2664e8b55ca	edviro	₹3000.00	₹3000.00	Failed	ORDER_1745594586240_545	Apr 25, 2025 20:00
680c5cbe5e688bf3dbbc719b	Paytm	₹1000.00	₹1000.00	Pending	ORDER_1745640638196_352	Apr 26, 2025 09:40
680e1ff4a04691de8891e118	GPay	₹10000.00	₹10000.00	Success	ORDER_1745756148695_308	Apr 27, 2025 17:45
680c9d2bd80cf83e5fd8257	edviro	₹3000.00	₹3000.00	Success	ORDER_1745657131544_462	Apr 26, 2025 14:15
680e2026a04691de8891e125	Paytm	₹12000.00	₹12000.00	Success	ORDER_1745756198731_562	Apr 27, 2025 17:46
680e1f98a04691de8891e10b	phonePay	₹2000.00	₹2000.00	Success	ORDER_1745756056157_433	Apr 27, 2025 17:44
680c60e1c12fa219a1a2d94b	Paytm	₹50000.00	₹50000.00	Success	ORDER_1745641697890_898	Apr 26, 2025 09:58

Check transaction status

Check Transaction Status

Custom Order ID

ORDER_1745756412877_900

Q Check Status

Transaction Details

Transaction ID	ORDER_1745756412877_900	Order Amount	₹3000.00
Collect ID	680e20fca04691de8891e176	Transaction Amount	₹3000.00
School ID	65b0e6293e9f76a9694d84b4	Status	Success
Gateway	Online Banking	Payment Time	Apr 27, 2025 17:50

Check Transaction Status

Custom Order ID

ORDER_1745756412877_900

Q Check Status

Transaction Details

Transaction ID	ORDER_1745756412877_900	Order Amount	₹3000.00
Collect ID	680e20fca04691de8891e176	Transaction Amount	₹3000.00
School ID	65b0e6293e9f76a9694d84b4	Status	Success
Gateway	Online Banking	Payment Time	Apr 27, 2025 17:50