Credit Card Fraud Detection Project

Admin login Portal

1. **Request Payment**
2. **Customer Records**
3. **Transactions**

1: Request Payment

- Create Payment Link (Amount and Country)
- A switch to exempt rules.
- QR code generate for the payment link.so the customer can scan the qr code and then the link will open on their mobile browser there they can put their details etc.
- A switch to exempt that a customer can make multiple payments from the same link.Each time the customer makes the payment from the same link. It will generate a new order-id and will be considered as a new payment.

2: Customer Records

- When we click on customer records, it shows a list of all of the customers.

Name	email	<u>view details</u>
Name	email	<u>view details</u>

When Administrator clicks on view details, it shows all of the customer data (Name, billing address, shipping address, cnic ,phone number, All recent transactions Amount eg(Decline and approved status too) (amount and dates of those order too)

3: Transactions

When we click on transactions, it shows a list of these

- **Completed Transaction**
- **Under-Review Transactions**
- **Declined Transactions**
- **Flagged Transactions**

Here is a format how the data will be shown in Completed Transactions tab and all other transactions tabs. .

Name	Email	Amount	Status	
James	james@yahoo.com	$20	**Completed**	**Change-Status**
Jeorge	jeorge@gmail.com	$50	**Under-Review**	**Change-Status**

Note : If admin wants to move any transaction from completed transaction, under-review or declined transaction.He can simple hover onto Change Status and then change the status of this transaction from completed to decline transaction or under-review or in flagged transactions.Then that transaction will be moved from .

Rules for transactions:

1: Completed Transactions:

If all rules are checked and the transaction is Okay then It will show into Completed transactions.

2: **Under-Review Transaction:**

Rules:

1. If a person's email or cnic has been used with more than 3 credit cards
2. Transaction amount is greater than $300
3. If 7 or more transactions have been made in a 24-hour period.
4. Billing Adress is different than shipping address.`

3: Declined Transaction:

Rules :

1. If the Customer Country (Billing or Shipping) do not match the country set by the admin.
2. If the customer is using a vpn to make transaction.
3. Transaction frequency is not normal (unusual pattern).

4: Flagged Transactions:

Rules:

1. If the customer Ip Adress, Mac Adress or email Adress is flagged already in our system for fraudulent activity.
2. If the customer email Adress is from an unusual domain.

Important :

- When a customer opens our link to pay.He cannot copy paste any data into the credit card forum. He manually has to enter the credit card details there.
- There has to be a search option in transaction tab.If the administrator wants to search transactions from a specific email. He can enter the email and then all transactions related to that email should popup.

Note: If Administrator wants to change status of a transaction. He can click on either “Under review” to send transaction to Under review section, or “Decline” to send transaction to declined transaction section.