**KEC ONLINE PAYMENT APP**

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**for**

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**FUNCTIONALITIES OF ONLINE PAYMENT APP**

**USERS OF ONLINE PAYMENT APP**

* Student login
* Admin login (College Administration Officers)

**USER FUNCTIONALITIES**

* Login
* Payment Processing
* Payment history and receipts
* Payment Remainders
* Verification of scholarship allocation
* Course allocation

**ADMIN FUNCTIONALITIES**

* Login
* Updating regular fees structures
* Posting Remainders
* Dispute Resolutions
* Communication
* Updating of Scholarship Scheme
* Updating of Book details rendering details
* Course Enrolment and Fee allocation

**DESIGNING OF SCHEMA**

* Student (attributes: student\_id, name, email, address, phone)
* Payment Method (attributes: payment\_method\_id, name)
* Transaction (attributes: transaction\_id, student\_id, payment\_method\_id, timestamp, total\_amount)
* Payment Item (attributes: payment\_item\_id, name, description, amount)
* Fee Payment (attributes: fee\_payment\_id, payment\_item\_id, transaction\_id, amount)
* Refund (attributes: refund\_id, transaction\_id, amount)

**Relationships:**

* A student can make many transactions, but each transaction is made by only one student.
* A transaction can be made using one payment method, but each payment method can be used for many transactions.
* A transaction can include multiple payment items, and each payment item can be included in multiple transactions.
* A fee payment is associated with one payment item and one transaction.
* A refund is associated with one transaction.