**DB Design**

*Entity Name* - **programme**

*Attributes* -

1. programmeId - Integer, Primary key
2. programmeName - String, Unique Key
3. tuitionFee - Integer
4. libraryFee - Integer
5. messFee - Integer
6. medicalFee - Integer
7. hostelFee - Integer
8. Amount - Integer
9. created - Date
10. updated - Date

*Entity Name* - **student**

*Attributes* -

1. firstName - String
2. lastName - String
3. rollNumber - String, Primary key
4. collegeId - String, Unique Key
5. password - String/hash Value
6. *programme\_Id* - Integer , Foreign Key
7. *payment\_Id* - Integer, Foreign Key
8. created - Date
9. updated - Date

*Entity Name* - **payment**

*Attributes* -

1. paymentId - Integer, Primary Key
2. amount - Integer
3. status - String
4. *programmeId* - Integer, Foreign Key
5. Created - Date
6. updated - Date
7. Each user is enrolled in a single programme
8. Each programme can be registered by multiple students
9. Each user can make a single payment.
10. Each payment is made by a single student
11. Each payment is linked to a single programme.
12. Each programme can be linked to multiple payments

-> between user and programme - N:1 mapping

-> between user and payment - 1: 1 mapping

-> between payment and programme - N:1 mapping