Challenge 4 (Class Diagram)

Student

name: string

age: int

fscmarks: double

ecatmarks: double

merit: double

Student(string name,int age,double fscmarks,double ecatmarks,List<string>preferences)

Void generatemerit()

Void registersubjects(Subject sub)

Void viewstudent()

int getcredithours()

float calculatefee()

Degree

Degreetitle: string

Duration: int

seats: int

Degree(string title, int duration, int seats)

Void addsubject(Subject sub)

bool issubjectexist(Subject sub)

int calculatecredithours()

Applies

1   many

Enrolls

1   1

1   Contains

many

Registers

1   many

Subject

subjectcode: string

subjecttype: string

credithours: int

subjectfee: double

Subject(string subjectcode,string subjecttype,int credithours,double