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Course Name: **Principles of Software Design**

Lab Section: **B01**

Course Code: **ENSF 480**

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[Exercise A](#)

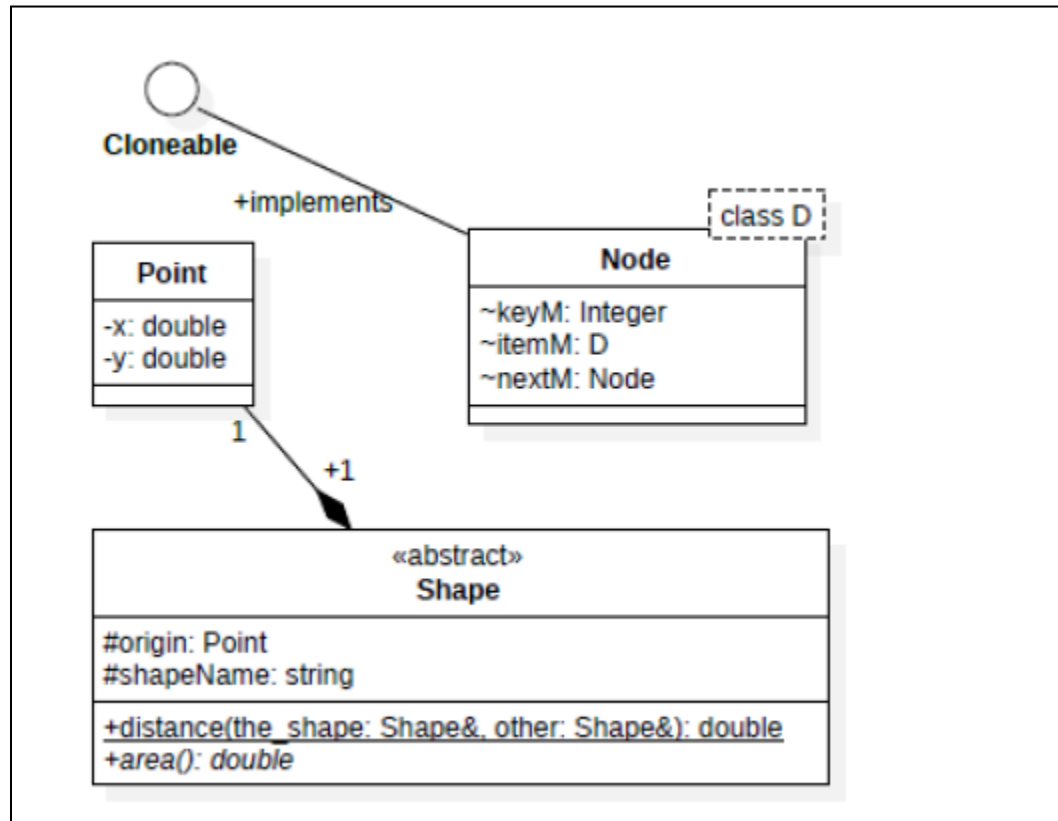
[Exercise B](#)

[Exercise C](#)

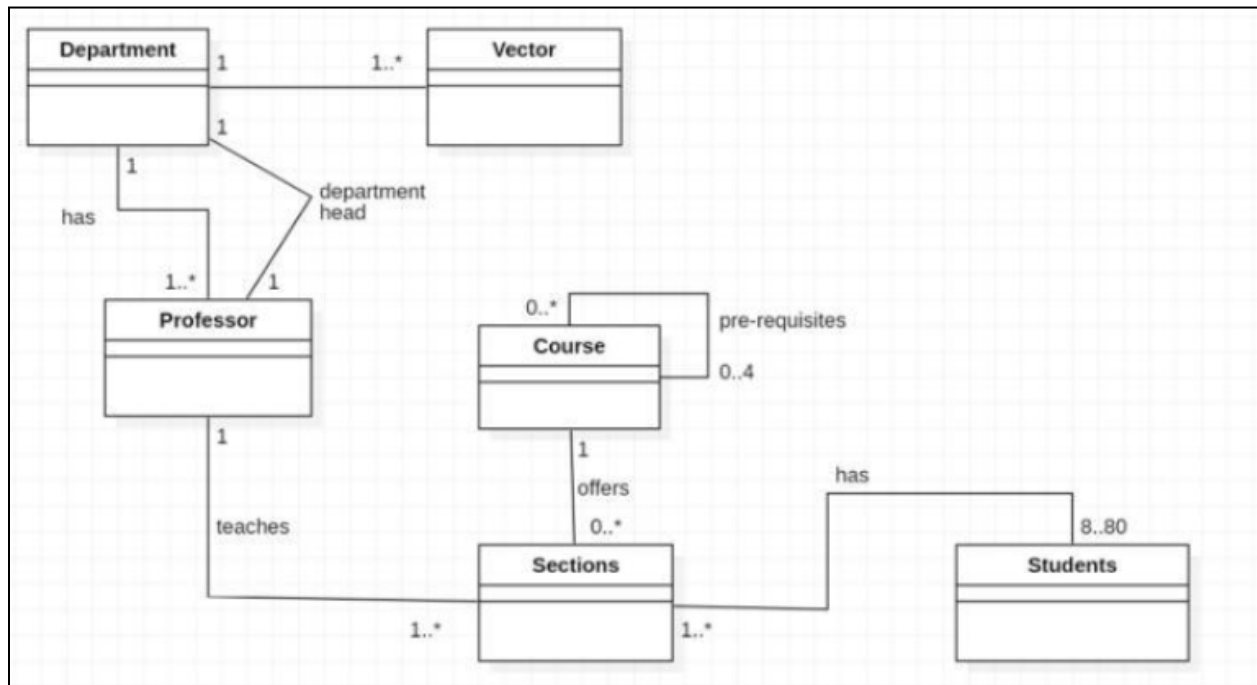
[Exercise D](#)

[Exercise E](#)

Exercise A



Exercise B



Exercise C

Car.h

```
#include "Vehicle.h"

class Car: public Vehicle{
private:
    int seats;
public:
    Car(int seats);
    void turn();
}
```

Moveable.h

```
class Moveable{
public:
    virtual void forward() = 0;
    virtual void backward() = 0;
};
```

Resizable.h

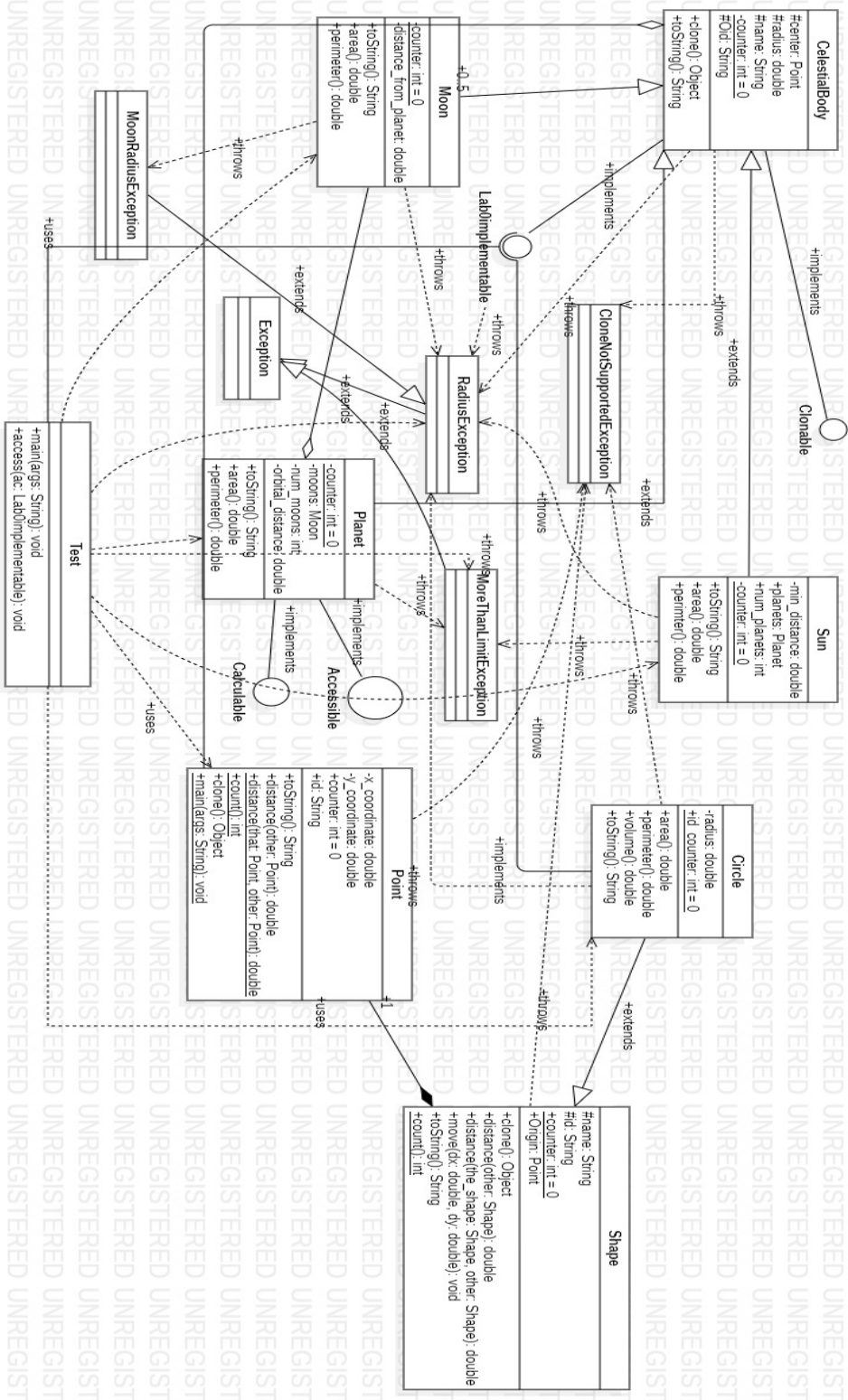
```
class Resizable{
public:
    virtual void enlarge(int n) = 0;
    virtual void shrink (int n) = 0;
};
```

Vehicle.h

```
#include <string>
#include "Moveable.h"

class Vehicle : public Resizable, public Moveable{
protected:
    std::string name;
public:
    Vehicle(std::string name);
    void move();
};
```

Exercise D



Exercise E

