**ENSF 408**

**Lab 4**

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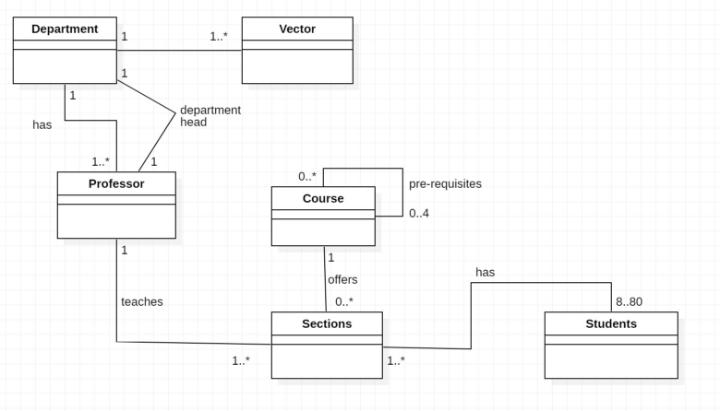
**B01**

**EX A:**

A screenshot of a cell phone

Description automatically generated

**EX B:**

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**EX 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;

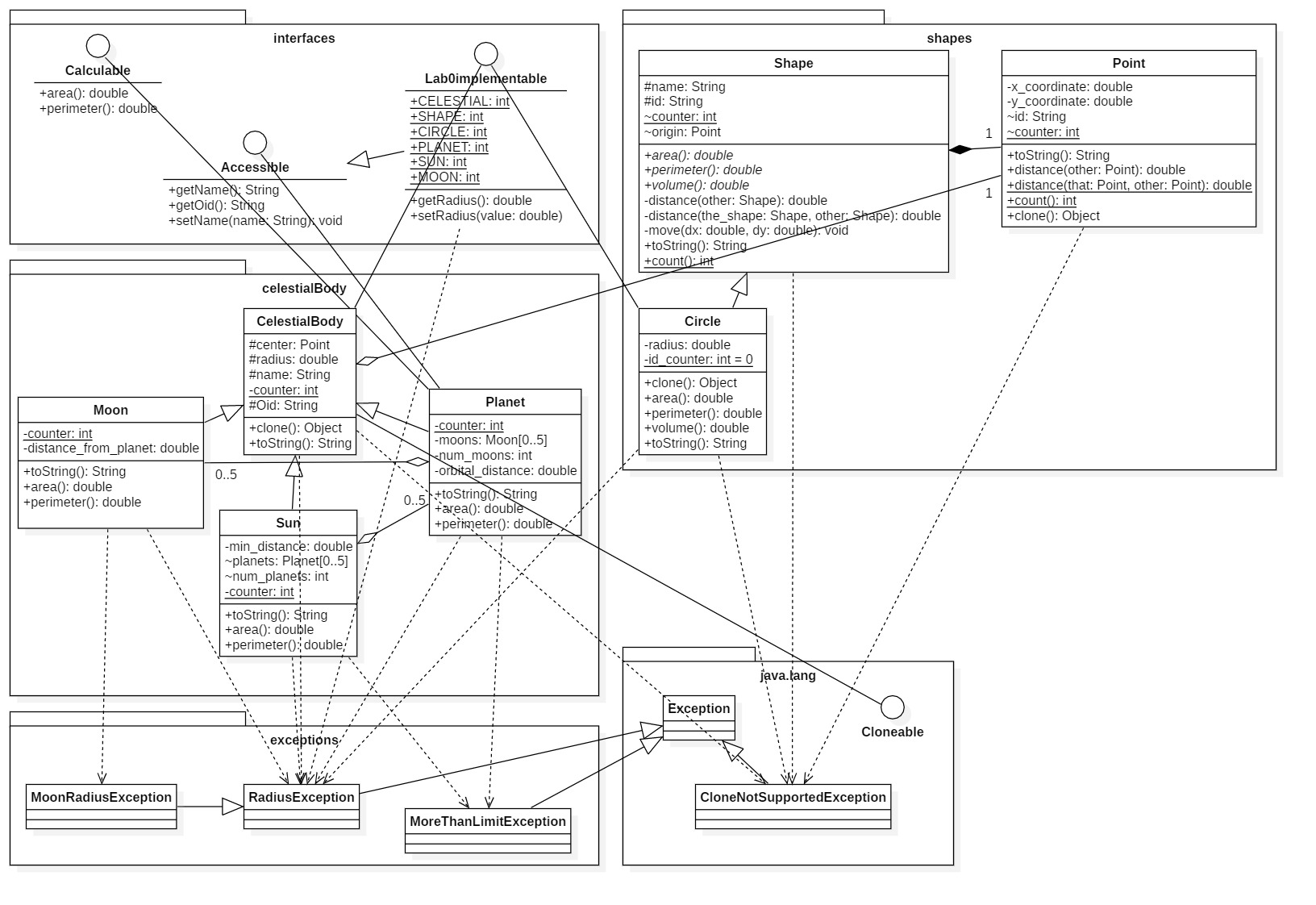
    public:

        Vehicle(std::string name);

        void move();

};

**EX D:**

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**EX E: (GLOBAL FUNCTIONS AND CONSTANTS ARE NOT SHOWN IN DIAGRAM)**

