Course: Programming Fundamental - ENSF 480
Lab #: Lab 4
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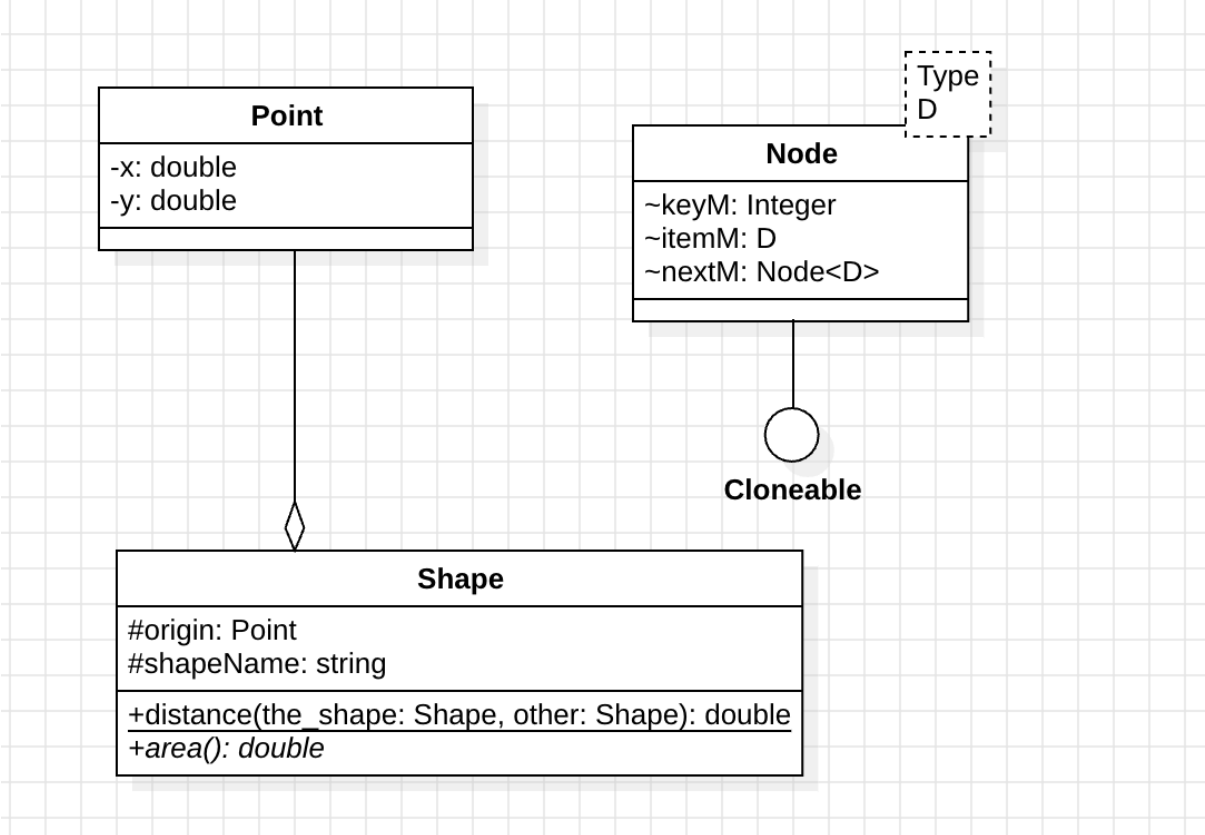
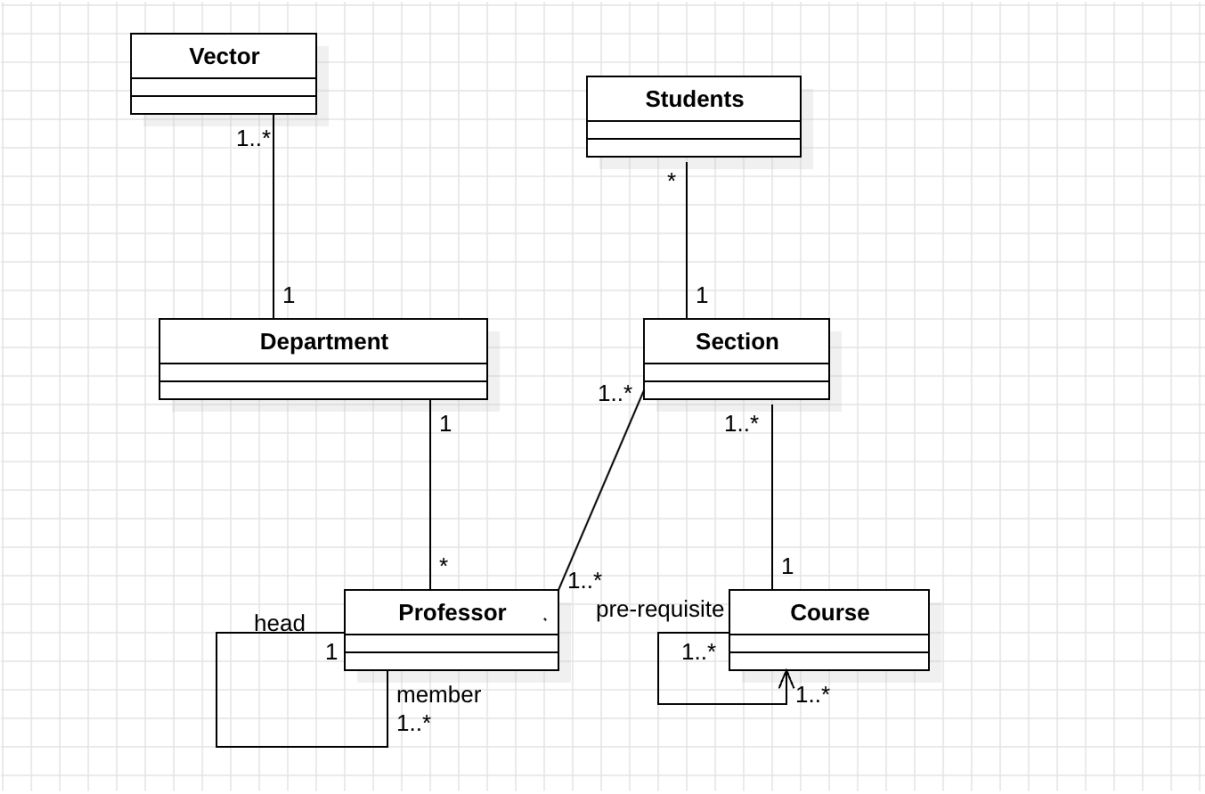
Lab Section: B01
Date Submitted: October 6, 2025

Exercise A



Exercise B

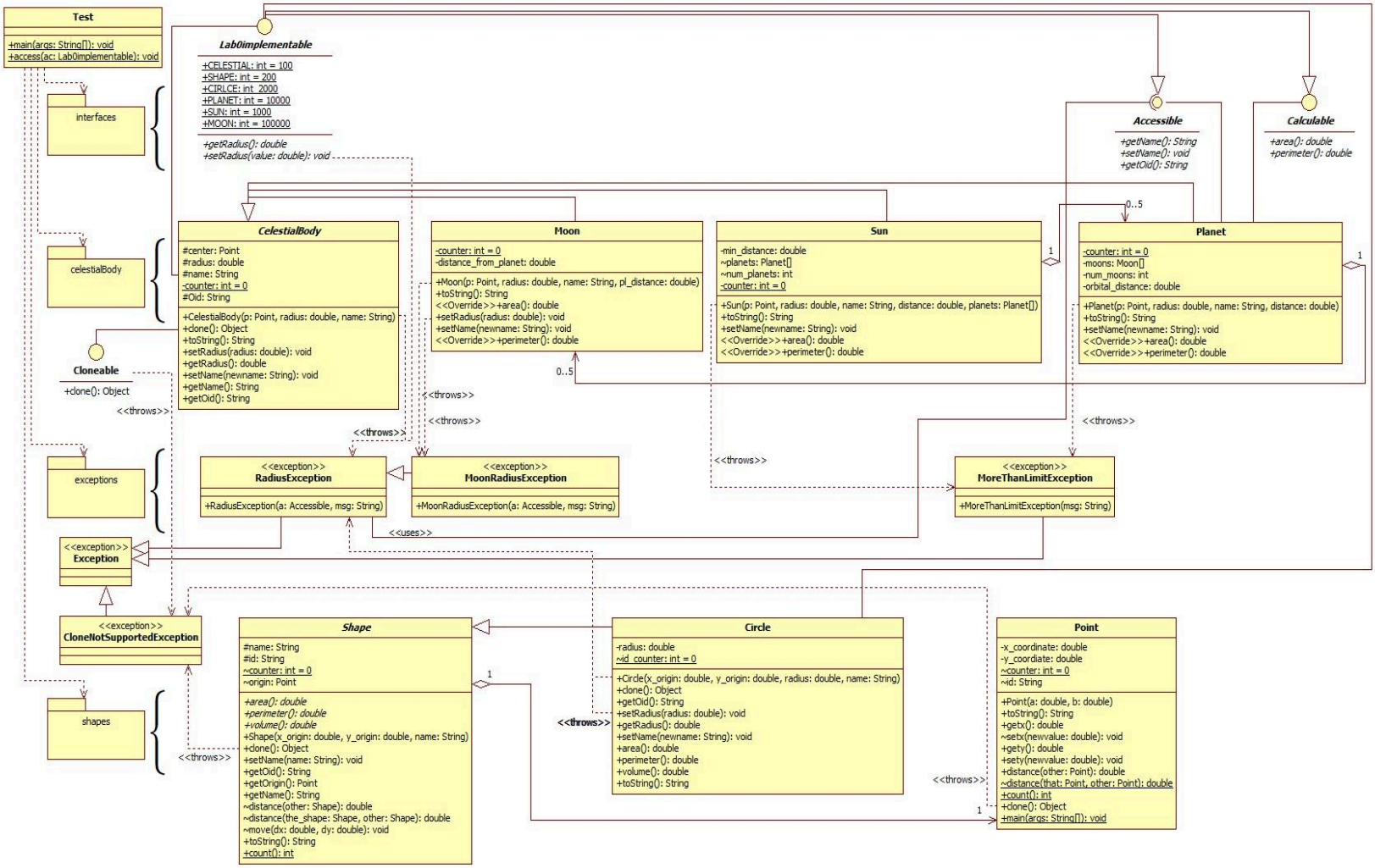


Exercise C

```
#include <string>
class Moveable {
   public:
       virtual void forward();
       virtual void backward();
};
class Resizable {
   public:
       virtual void enlarge(int n);
       virtual void shrink(int n);
};
class Car : public Vehicle {
   private:
       int seats;
   public:
       void turn();
       void move();
};
class Vehicle : public Moveable, public Resizable {
   protected:
       std::string name;

   public:
       Vehicle(std::string name) {
           name = name;
       }
       virtual void move();
       void enlarge(int n);
       void shrink(int n);
       void forward();
       void backward();
};
```

Exercise D



Note that I did not indicate dependencies of subclasses unless they override the superclass.