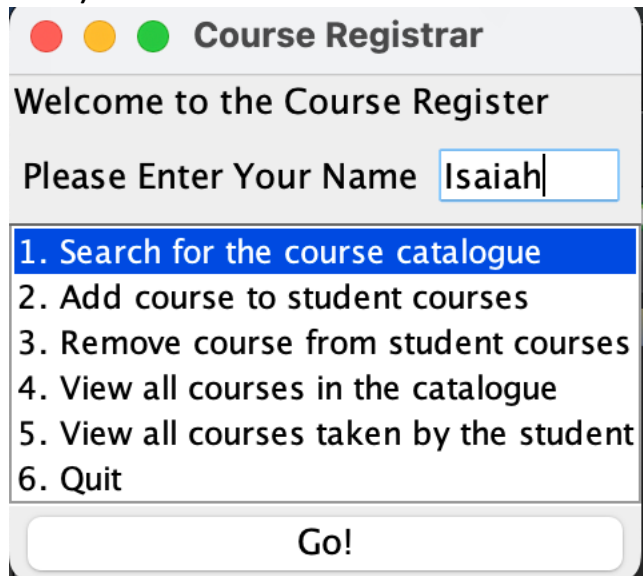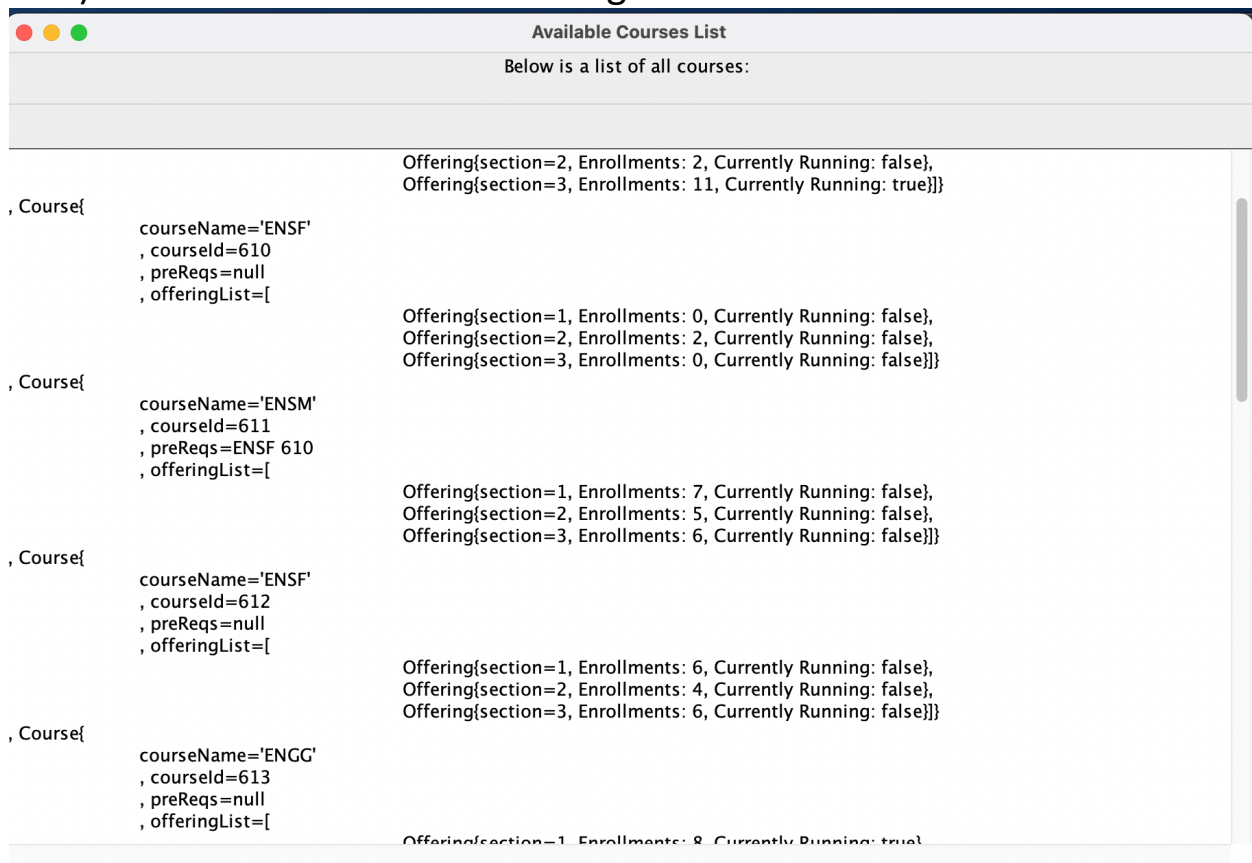Course: ENSF 607 – Fall 2022
Lab #: Lab 4
Instructor: Mohammad Moshipur
Student Name: Isaiah Williams
Submission Date: October 21, 2022
UCID: 30168971

Program Output

1) Menu

2) View all courses in the catalogue

Available Courses List

Below is a list of all courses:

```
                                    Offering{section=2, Enrollments: 2, Currently Running: false},
                                    Offering{section=3, Enrollments: 11, Currently Running: true}]}
, Course{
        courseName='ENSF'
        , courseId=610
        , preReqs=null
        , offeringList=[

                                    Offering{section=1, Enrollments: 0, Currently Running: false},
                                    Offering{section=2, Enrollments: 2, Currently Running: false},
                                    Offering{section=3, Enrollments: 0, Currently Running: false}]}
, Course{
        courseName='ENSM'
        , courseId=611
        , preReqs=ENSF 610
        , offeringList=[

                                    Offering{section=1, Enrollments: 7, Currently Running: false},
                                    Offering{section=2, Enrollments: 5, Currently Running: false},
                                    Offering{section=3, Enrollments: 6, Currently Running: false}]}
, Course{
        courseName='ENSF'
        , courseId=612
        , preReqs=null
        , offeringList=[

                                    Offering{section=1, Enrollments: 6, Currently Running: false},
                                    Offering{section=2, Enrollments: 4, Currently Running: false},
                                    Offering{section=3, Enrollments: 6, Currently Running: false}]}
, Course{
        courseName='ENGG'
        , courseId=613
        , preReqs=null
        , offeringList=[

                                    Offering{section=1, Enrollments: 8, Currently Running: true}
```
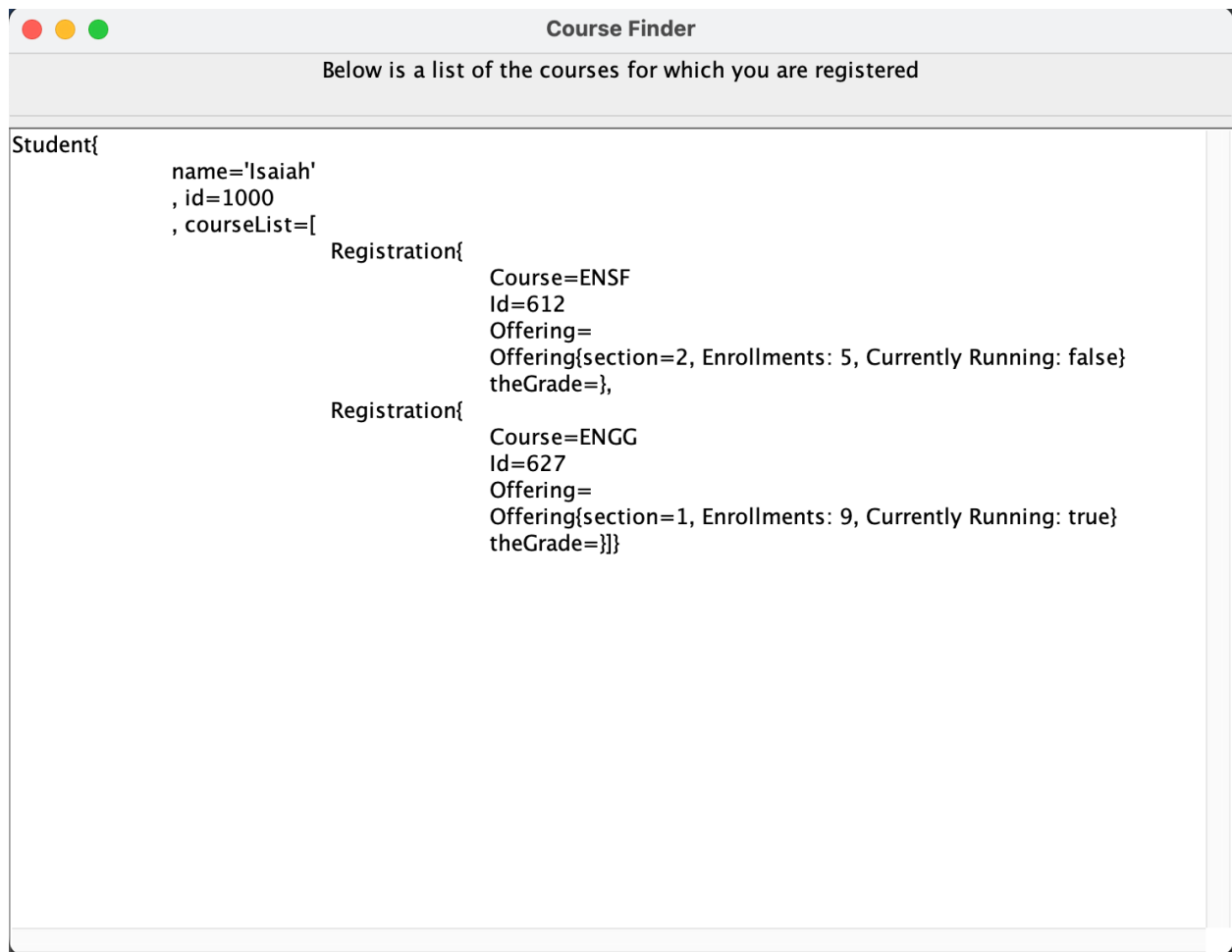
3) Search for the course catalogue

Course Finder

Select the course for which you would like to know more information:

```
ENSF 609
ENSF 610
ENSM 611
ENSF 612
ENGG 613
ENSF 614
```

Course Name:ENSF | Course ID:612

```
Course{
            courseName='ENSF'
            , courseId=612
            , preReqs=null
            , offeringList=[
                            Offering{section=1, Enrollments: 6, Currently Running: false},
                            Offering{section=2, Enrollments: 4, Currently Running: false},
                            Offering{section=3, Enrollments: 6, Currently Running: false}]}
```

---

4) Add course to student courses and section running status (min 8)

Course Adder

Select the course you would like to add:

ENSF 614
ENGG 615
ENSF 616
ENGG 627
ENSF 632
ENGG 650

Course Name: ENGG   Course ID: 627

Select the offering you would like to add:

Offering{section=1, Enrollments: 8, Currently Running: true}
Offering{section=2, Enrollments: 8, Currently Running: true}
Offering{section=3, Enrollments: 13, Currently Running: true}

Offering: Offering{section=1, Enrollments: 8, Currently Running: true}

Add Course

Congrats! You have been registered in ENGG 627

5) View all courses taken by the student and new section running status

```
Student{
            name='Isaiah'
            , id=1000
            , courseList=[
                        Registration{
                                    Course=ENSF
                                    Id=612
                                    Offering=
                                    Offering{section=2, Enrollments: 5, Currently Running: false}
                                    theGrade=},
                        Registration{
                                    Course=ENGG
                                    Id=627
                                    Offering=
                                    Offering{section=1, Enrollments: 9, Currently Running: true}
                                    theGrade=}]}
```

6) Cannot add more than 6 courses limitation message

Course Adder

Select the course you would like to add:

- ENSF 616
- ENGG 627
- ENSF 632
- ENGG 650
- **ENEL 620**
- ENGG 717

Course Name: ENEL | Course ID: 620

Select the offering you would like to add:

- Offering{section=1, Enrollments: 0, Currently Running: false}
- **Offering{section=2, Enrollments: 2, Currently Running: false}**
- Offering{section=3, Enrollments: 0, Currently Running: false}

Offering: Offering{section=2, Enrollments: 2, Currently Running: false}

[Add Course]

Unfortunately Isaiah, you are registered for the maximum number of courses. Please review your current registrations to add this item.

7) Remove course from student courses

Course Remover

Select the course registration you would like to remove:

Course: ENSF 612, Section: Offering{section=2, Enrollments: 5, Currently Running: false}
Course: ENGG 627, Section: Offering{section=1, Enrollments: 9, Currently Running: true}
Course: ENSF 632, Section: Offering{section=2, Enrollments: 4, Currently Running: false}
Course: ENEL 620, Section: Offering{section=2, Enrollments: 2, Currently Running: false}
Course: ENSF 616, Section: Offering{section=1, Enrollments: 1, Currently Running: false}
Course: ENGG 650, Section: Offering{section=2, Enrollments: 6, Currently Running: false}

Course Name: ENGG | Course ID: 650 | Offering: 3

[Remove Course]

Course Remover

Select the course registration you would like to remove:

Course: ENSF 612, Section: Offering{section=2, Enrollments: 5, Currently Running: false}
Course: ENGG 627, Section: Offering{section=1, Enrollments: 9, Currently Running: true}
Course: ENSF 632, Section: Offering{section=2, Enrollments: 4, Currently Running: false}
Course: ENEL 620, Section: Offering{section=2, Enrollments: 2, Currently Running: false}
Course: ENSF 616, Section: Offering{section=1, Enrollments: 1, Currently Running: false}

Course Name: ENGG   Course ID: 650   Offering: 2

Remove Course

Congrats! You have been de-registered from ENGG 650

8) Quit Program

Course Registrar

Welcome to the Course Register

Please Enter Your Name Isaiah

1. Search for the course catalogue
2. Add course to student courses
3. Remove course from student courses
4. View all courses in the catalogue
5. View all courses taken by the student
6. Quit

Go!

Error checking:

i)

ii)