The Project CS 102 Report.

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Start page:

```
_____Start Page_____
"Enter a number"
1 for Student
2 for Advisor
3 for Administrators
4 for exit
Enter number(1,2,3,4):
```

To go to Student Page enter number 1 in the Start Page

```
_____Start Page_____
"Enter a number"
1 for Student
2 for Advisor
3 for Administrators
4 for exit
Enter number(1,2,3,4): 1
Enter your ID(0 to exit): 789
Enter your password: Jkl@123
```

The Student ID and Password are **mandatory** to go to the Student page.

The Student page gives the user some choices to get the ability to deal with system like:

- View Available Courses.

- Register for Courses.

- View Registered Courses.

- Drop Cours.

- View All Validated Courses.

- View Schedule.

- Update Personal Information.

- Submit and receive feedback for special registration requests.

- List All Prerequisite Courses for a given Course.

```
_____Student Page_____
Enter a number
1 to view Available Courses
2 to register for Courses
3 view Registered Courses
4 drop Course
5 view All Validated Courses
6 view Schedule
7 update Personal Information
8 submit and receive feedback for special registration requests
9 list All Prerequisite Courses for a given Course
10 to exit
```

- **View Available Courses.**

It represents the all course and its detail in the system.

```
------------------------------------
Course Code: Eng106
Course Name: English grammar
Instructor: Dr.Emma Octopus
Course Description:
study language structure
Available Seats: 5
Course Time: 11:00-12:00
Course Days: wednesday, thursday, mond
Prerequisite Courses:
Eng104, Eng033
Credits Hours: 3


------------------------------------
Course Code: Eng107
Course Name: English rhetoric
Instructor: Dr.Oliver Seahorse
Course Description:
master persuasive techniques
Available Seats: 84
Course Time: 12:00-1:00
Course Days: wednesday, sunday, monday
Prerequisite Courses:
Eng105, Eng034
Credits Hours: 4


------------------------------------
Course Code: Eng108
Course Name: English linguistics
```

- **Register for Courses.**

```
_____Student Page_____
Enter a number
1 to view Available Courses
2 to register for Courses
3 view Registered Courses
4 drop Course
5 view All Validated Courses
6 view Schedule
7 update Personal Information
8 submit and receive feedback for special registration requests
9 list All Prerequisite Courses for a given Course
10 to exit
2
Enter course code: Eng107
already exist in your registered courses
```

It takes the course Code and prints an error message if the student
has prerequisite courses or has already taken them.

- **View Registered Courses.**

```
---------------------------------
Course Code: Eng103
Course Name: English research
Instructor: Dr.Garry shark
Course Description:
develop research method
Available Seats: 6
Course Time: 9:00-10:00
Course Days: sunday, monday, tuesday
Prerequisite Courses:
Eng101, Eng030
Credits Hours: 3
```

It represent the details of all registered courses.

- **Drop Cours.**

```
4
Enter the course code: Eng103
Course droped successfully!!!!!!!!!!!
```

It drops the course if the student has the seam code that he enters.

- **View All Validated Courses.**

```
_____Student Page_____
Enter a number
1 to view Available Courses
2 to register for Courses
3 view Registered Courses
4 drop Course
5 view All Validated Courses
6 view Schedule
7 update Personal Information
8 submit and receive feedback for special registration requests
9 list All Prerequisite Courses for a given Course
10 to exit
5
[Eng107]
```

- ## View Schedule.

```
             | Sunday  | Monday  | Tuesday | Wednesday| Thursday
-------------+---------+---------+---------+---------+---------+
8:00-9:00    |         |         |         |         |         |
-------------+---------+---------+---------+---------+---------+
9:00-10:00   |         |         |         |         |         |
-------------+---------+---------+---------+---------+---------+
10:00-11:00  |         |         |         |         |         |
-------------+---------+---------+---------+---------+---------+
11:00-12:00  |         | Eng103  |         | Eng103  | Eng103  |
-------------+---------+---------+---------+---------+---------+
12:00-1:00   | Eng107  | Eng107  |         | Eng107  |         |
-------------+---------+---------+---------+---------+---------+
```

Reprint the schedule in a nice format.

- ## Update Personal Information.

Because the student has only one Studen ID he can't fix it. The update Personal Information requests the user to update only his name and password and takes the user out of the system.

```
_____ Update Personal Information _____
Enter your Name: Abdullah
Enter the new password: 1234
Password And name Updated Successfully
The System will shut down Plase login again!
BUILD SUCCESSFUL (total time: 12 minutes 43 seconds)
```

- **Submit and receive feedback for special registration requests.**

```
Enter the cousre code you want to register for
Eng103
wait for the advisor
```

it allows the user to send a request to the adviser to register for a course.

- **List All Prerequisite Courses for a given Course.**

The student can search for any prerequisite course.

```
Enter Course Code
Eng103
The prerequisites Courses are:
Eng101, Eng030
```

The Administrators page:

- **Manage Courses:**

```
_____Administrator Page_____
"Enter a number"
1 to manage Courses
2 to manage Users
3 to view System Statistics
4 to exit
Enter number(1,2,3,4):
```

Chose 1

```
_____Manage Course Page_____
1 to add new courses
2 to remove existing courses
3 to update existing courses
4 to exit
 Enter number(1,2,3,4): |
```

Add course

```
_____Add Course Page_____
1: Enter course code: Eng107
2: Enter course name: English research
3: Enter course description: it develop ideas
4: Enter course instructor: Ahmed
5: Enter course availableSeats: 20
6: Enter course schedule:
Enter Course days(0 to exit):
sunday
Enter Course days(0 to exit):
monday
Enter Course days(0 to exit):
0
Enter the course time(12:00-01:00):
8:00-9:00
7: Enter course prerequisites separated by ":" :Eng101
8: Enter course credits: 4
This course is already added
Course added successfully!
```

Remove course

```
Enter the code of the course you want to delet:
Eng103
Course removed successfully!
```

Update course

```
Enter code of course to update
Eng103

_____Add Course Page_____
1: Enter course code: Eng109
2: Enter course name: English
3: Enter course description: descriptev
4: Enter course instructor: Khalid
5: Enter course availableSeats: 9
6: Enter course schedule:
Enter Course days(0 to exit):
wednesday
Enter Course days(0 to exit):
0
Enter the course time(12:00-01:00):
9:00-10:00
7: Enter course prerequisites separated by ":" :pds101:pds102
8: Enter course credits: 3
```

Manage users

- **Manage Users:**

```
_____ Manage Users Page _____
1 to manage students
2 to manage advisors
3 to exit
 Enter number(1,2,3):
```

```
_____ Manage Stusent Page _____
1 to add students
2 to remove students
3 to exit
 Enter number(1,2,3):
```

Chose 1

```
_____ Add Stusent Page _____

Enter Student Name: Ahmed
Enter Student ID:222110999
Enter the password: asdgf
Student added successfully!
```

Chose 2

```
_____ Manage Stusent Page _____
1 to add students
2 to remove students
3 to exit
 Enter number(1,2,3): 2
Enter Student ID: 222330
Student removed successfully!
```

Chose 1

```
_____ Advisor Page _____
1 to add advisor
2 to remove advisor
3 to exit
```

```
_____ Advisor Page _____
1 to add advisor
2 to remove advisor
3 to exit
 Enter number(1,2,3): 1
Enter Advisor Name: Salih
Enter Advisor ID:123444
Enter the password: asd3311
Advisor added successfully!



_____ Advisor Page _____
1 to add advisor
2 to remove advisor
3 to exit
 Enter number(1,2,3): 2
Enter Advisor ID: 2344423
Advisor removed successfully!
```

Exit then Enter 3

```
_____ System statistics Page _____
 1 to print general information
 2 to print courses
 3 to print students
 4 to print advisors
 5 to exit
  Enter number(1,2,3,4,5):
```

General information.

```
There is 6 course in the system
There is 16 student in the system
There is 11 advisor in the system
```

Print courses.

```
------------------------------------
Course Code: Eng104
Course Name: English literature
Instructor: Dr.Sandra Dolphin
Course Description:
analyze literary works
Available Seats: 2
Course Time: 9:00-10:00
Course Days: wednesday, thursday, sunday
Prerequisite Courses:
Eng102, Eng031
Credits Hours: 4


------------------------------------
Course Code: Eng105
Course Name: English composition
Instructor: Dr.Michael Whale
Course Description:
practice writing skills
Available Seats: 4
Course Time: 10:00-11:00
Course Days: sunday, monday, tuesday
Prerequisite Courses:
Eng103, Eng032
Credits Hours: 2
```

Print students

```
Student Name:Ahmed Hassan Student Id:123
The registered courses are:
[Eng107, Eng108, Eng103]
Studen validated courses: No Course yet!
--------------------------


Student Name:Sami Khan Student Id:342
The registered courses are:
[Eng103, Eng104]
Studen validated courses: No Course yet!
--------------------------


Student Name:Sarah Davis Student Id:923
The registered courses are:
[Eng103]
Studen validated courses: [Eng107]
--------------------------


Student Name:Yusuf Malik Student Id:654
The registered courses are:
[Eng103]
Studen validated courses: [Eng104]
--------------------------
```

Print advisors

```
------------
 Name: Yusuf Abdullah
 Advisor ID: 369258
 Password: Ya*753


------------
 Name: Leila Ahmed
 Advisor ID: 135790
 Password: La^246


------------
 Name: David Khalid
 Advisor ID: 246810
 Password: Dk%987


------------
 Name: Fatima Ali
 Advisor ID: 753159
 Password: Fa&852
```

Advisors Page:

```
_____Advisor Page_____
Enter a number
1 to add validated courses
2 to view Registered Students
3 to view Students' Registered Courses
4 to approve/Deny Special Course Registration Requests
5 to exit
|
```

Add validate course for student

```
_____Advisor Page_____
Enter a number
1 to add validated courses
2 to view Registered Students
3 to view Students' Registered Courses
4 to approve/Deny Special Course Registration Requests
5 to exit
1
Enter student ID: 456
Enter course code: Eng105
validation successful for course!!!!!!!
```

• **View Registered students**

```
_____
Student Name:Ahmed Hassan Student Id:123
The registered courses are:
[Eng107, Eng108, Eng103]
Studen validated courses: No Course yet!

_____
Student Name:Sami Khan Student Id:342
The registered courses are:
[Eng103, Eng104]
Studen validated courses: No Course yet!

_____
Student Name:Sarah Davis Student Id:923
The registered courses are:
[Eng103]
Studen validated courses: [Eng107]

_____
Student Name:Yusuf Malik Student Id:654
The registered courses are:
[Eng103]
Studen validated courses: [Eng104]

_____
```

```
_____Advisor Page_____
Enter a number
1 to add validated courses
2 to view Registered Students
3 to view Students' Registered Courses
4 to approve/Deny Special Course Registration Requests
5 to exit
3
Enter Studen Id
456
[Eng107, Eng103]
```

- Approve/Deny Special Course Registration Requests

```
-----------------------
The student
-----------------------
Student Name:Ahmed Hassan Student Id:123
The registered courses are:
[Eng107, Eng108, Eng103]
Studen validated courses: No Course yet!
-----------------------
wanted to register for course
---------------------
 --------------------------------
Course Code: Eng106
Course Name: English grammar
Instructor: Dr.Emma Octopus
Course Description:
study language structure
Available Seats: 5
Course Time: 11:00-12:00
Course Days: wednesday, thursday, monday
Prerequisite Courses:
Eng104, Eng033
Credits Hours: 3

Enter
1 to approve
2 to deny
1
Approved successfully!!!!!!!
```