```
**************************************************************************
                *** Welcome to the Students GPA System!***
**************************************************************************
Please enter the file name: students.txt
Student information has been loaded successfully from the file.

Select from the following options:
L- List Students
A- Add Student
E- Edit Student
D- Delete Student
F- Find A Student
G- GPA Average
Q- Quit

Enter the letter of your option: M
Invalid input. Please choose again.

Select from the following options:
L- List Students
A- Add Student
E- Edit Student
D- Delete Student
F- Find A Student
G- GPA Average
Q- Quit

Enter the letter of your option: l
You selected option L
Listing students...
==============================================================================
Student ID          Student Name        GPA
==============================================================================
111                 John Smith          99.0
222                 Maria Jordon        95.0
333                 Mohamed Ibrahim     100.0
==============================================================================

Select from the following options:
L- List Students
A- Add Student
E- Edit Student
D- Delete Student
F- Find A Student
G- GPA Average
Q- Quit

Enter the letter of your option: F
You selected option F
Enter student ID to find: 333
```

```
Finding a student...
Searching for student ID 333
Student found:
===========================================================================
Student ID          Student Name        GPA
===========================================================================
333                 Mohamed Ibrahim     100.0
===========================================================================

Select from the following options:
L- List Students
A- Add Student
E- Edit Student
D- Delete Student
F- Find A Student
G- GPA Average
Q- Quit

Enter the letter of your option: f
You selected option F
Enter student ID to find: 555
Finding a student...
Searching for student ID 555
Student not found.

Select from the following options:
L- List Students
A- Add Student
E- Edit Student
D- Delete Student
F- Find A Student
G- GPA Average
Q- Quit

Enter the letter of your option: a
You selected option A
Adding a student...
Please enter the student ID: 333
Student already exists with the given ID.

Select from the following options:
L- List Students
A- Add Student
E- Edit Student
D- Delete Student
F- Find A Student
G- GPA Average
Q- Quit

Enter the letter of your option: A
```

```
You selected option A
Adding a student...
Please enter the student ID: 444
Please enter the student's name: Sarah Li
Please enter the student's GPA: 85
Student Sarah Li added successfully.

Select from the following options:
L- List Students
A- Add Student
E- Edit Student
D- Delete Student
F- Find A Student
G- GPA Average
Q- Quit

Enter the letter of your option: f
You selected option F
Enter student ID to find: 444
Finding a student...
Searching for student ID 444
Student found:
===============================================================================
Student ID          Student Name         GPA
===============================================================================
444                 Sarah Li             85
===============================================================================

Select from the following options:
L- List Students
A- Add Student
E- Edit Student
D- Delete Student
F- Find A Student
G- GPA Average
Q- Quit

Enter the letter of your option: E
You selected option E
Enter student ID to edit: 444
Editing a student...
Current student information:
===============================================================================
Student ID          Student Name         GPA
===============================================================================
444                 Sarah Li             85
===============================================================================
Enter student name: Sarah White
Enter student GPA: 90
Student information updated successfully.
```

```
Students information updated successfully.

Select from the following options:
L- List Students
A- Add Student
E- Edit Student
D- Delete Student
F- Find A Student
G- GPA Average
Q- Quit

Enter the letter of your option: f
You selected option F
Enter student ID to find: 444
Finding a student...
Searching for student ID 444
Student found:
==========================================================================
Student ID          Student Name        GPA
==========================================================================
444                 Sarah White         90
==========================================================================

Select from the following options:
L- List Students
A- Add Student
E- Edit Student
D- Delete Student
F- Find A Student
G- GPA Average
Q- Quit

Enter the letter of your option: D
You selected option D
Enter student ID to delete: 444
Deleting a student...
Student deleted successfully.
Students information updated successfully.

Select from the following options:
L- List Students
A- Add Student
E- Edit Student
D- Delete Student
F- Find A Student
G- GPA Average
Q- Quit

Enter the letter of your option: d
You selected option D
```

```
Enter student ID to delete: 444
Deleting a student...
Student with given ID not found.

Select from the following options:
L- List Students
A- Add Student
E- Edit Student
D- Delete Student
F- Find A Student
G- GPA Average
Q- Quit

Enter the letter of your option: f
You selected option F
Enter student ID to find: 444
Finding a student...
Searching for student ID 444
Student not found.

Select from the following options:
L- List Students
A- Add Student
E- Edit Student
D- Delete Student
F- Find A Student
G- GPA Average
Q- Quit

Enter the letter of your option: G
You selected option G
Calculating GPA average...
GPA Average: 98

Select from the following options:
L- List Students
A- Add Student
E- Edit Student
D- Delete Student
F- Find A Student
G- GPA Average
Q- Quit

Enter the letter of your option: Q
You selected option Q
Exiting the program. Goodbye!
```