



Department of Electrical & Computer Engineering

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Computer Architecture

First Project

Interactive Monthly Calendar Application

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File contents:

```
2: 10-1 M, 3-4H
7: 9-10L
18: 11-1 M, 1-2 L,3-5OH
20: 11-12 OH, 12-2 M, 2-3 OH,3-5L
22: 8-9 OH, 1-2 M, 2-4 OH,3-5L
30: 11-12 OH, 12-2 M, 2-3 OH,3-5L
```

Test case 1:

```
***** Calendar *****

1) View the calendar
2) View statistics
3) Add a new appointment
4) Delete an appointment
5) Exit program and save changes

Enter a number corresponding to one of the options
1
Enter one of these options :

1) View per day
2) View per set of days
3) View a given slot for a day
1
What day do you want to show?
20
20:11-12OH,12-2M,2-3OH,3-5L
***** Calendar *****

1) View the calendar
2) View statistics
3) Add a new appointment
4) Delete an appointment
5) Exit program and save changes

Enter a number corresponding to one of the options
|
```

Test case 2:

```
Enter one of these options :  
1) View per day  
2) View per set of days  
3) View a given slot for a day  
2  
How many days do you want to show?  
2  
Enter day  
1  
2  
  
2:10-1M,3-4H  
Enter day  
2  
13  
  
The day you entered does not exist.
```

Test case 3:

```
***** Calendar *****  
1) View the calendar  
2) View statistics  
3) Add a new appointment  
4) Delete an appointment  
5) Exit program and save changes  
  
Enter a number corresponding to one of the options  
1  
Enter one of these options :  
1) View per day  
2) View per set of days  
3) View a given slot for a day  
3  
What day do you want to show?  
20  
Enter start time  
12  
Enter end time  
2  
  
12-2M  
~~~~~ Calendar ~~~~~
```

Test case 4:

```
***** Calendar *****

1) View the calendar
2) View statistics
3) Add a new appointment
4) Delete an appointment
5) Exit program and save changes

Enter a number corresponding to one of the options
2
***** Statistics *****

Hours of lectures : 5
Hours of Office hours : 7
Hours of meetings : 8
Average lectures per day : 1.0
Ratio between lecture hours and office hours : 0.71428573
```

Test case 5:

```
***** Calendar *****

1) View the calendar
2) View statistics
3) Add a new appointment
4) Delete an appointment
5) Exit program and save changes

Enter a number corresponding to one of the options
3
Enter day 20
Enter start time
8
Enter end time
9
Enter slot type (0 for L, 1 for OH, 2 for M)
1
```

Test case 5:

```
1) View the calendar
2) View statistics
3) Add a new appointment
4) Delete an appointment
5) Exit program and save changes

Enter a number corresponding to one of the options
3
Enter day 1
Enter start time
1
Enter end time
1
time should be between 8 and 5! try again
Enter start time
2
Enter end time
6
Out of range
Enter start time
3
Enter end time
4
Enter slot type (0 for L, 1 for OH, 2 for M)
0
```

Test case 6:

```
Enter a number corresponding to one of the options
4
Enter the day you want to delete the slot from:22
Enter start time
1
Enter end time

2
Enter slot type (0 for L, 1 for OH, 2 for M)
2
***** Calendar *****

1) View the calendar
2) View statistics
3) Add a new appointment
4) Delete an appointment
5) Exit program and save changes

Enter a number corresponding to one of the options
1
Enter one of these options :

1) View per day
2) View per set of days
3) View a given slot for a day
1
What day do you want to show?
22
22:8-90H,2-40H,3-5L
```

Test case 6:

```
***** Calendar *****
```

- 1) View the calendar
- 2) View statistics
- 3) Add a new appointment
- 4) Delete an appointment
- 5) Exit program and save changes

Enter a number corresponding to one of the options

5

Terminating program...

1:3-4L

2:10-1M,3-4H

7:9-10L

18:11-1M,1-2L,3-5OH

20:11-12OH,12-2M,2-3OH,3-5L,8-9OH

22:8-9OH,2-4OH,3-5L

30:11-12OH,12-2M,2-3OH,3-5L