

# G51OOP Coursework 3 - Expected Output

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This document is to be read in conjunction with the Coursework 3 specification document available on Moodle.

## Sample Output

```
Flight Booking Menu
=====
1) Create Flight
Q) Quit

Enter your choice: 4
ERROR: Invalid menu choice!

Flight Booking Menu
=====
1) Create Flight
Q) Quit

Enter your choice: 1

Flight Creator
=====

Enter destination: Mareville, Illinois
Enter departure time: Beer o'clock

Aeroplane Details
=====

Enter number of rows in Club Class: 0
Enter number of rows in Economy Class: -1
ERROR: Invalid Row Count

Flight Booking Menu
=====
1) Create Flight
Q) Quit

Enter your choice: 1

Flight Creator
=====
Enter destination: Hanover
Enter departure time: 17:30

Aeroplane Details
=====
Enter number of rows in Club Class: 1
Enter number of rows in Economy Class: 2

Flight Booking Menu
=====
1) Create Flight
2) Make Booking on Flight
3) Print A Flight's Manifest
Q) Quit

Enter your choice: 1
```

## Flight Creator

=====

Enter destination: Nottingham East Mids  
Enter departure time: 12:20

## Aeroplane Details

=====

Enter number of rows in Club Class: 2  
Enter number of rows in Economy Class: 3

## Flight Booking Menu

=====

- 1) Create Flight
- 2) Make Booking on Flight
- 3) Print A Flight's Manifest
- Q) Quit

Enter your choice: 3

## Available flights:

Flight number: 0, Destination: Hanover, Departure time: 17:30  
Flight number: 1, Destination: Nottingham East Mids, Departure time: 12:20

Enter flight number: 0

## Flight Manifest

Destination: Hanover

Departure time: 17:30

Club Class passenger list:

No passengers in Club Class

Economy Class passenger list:

No passengers in Economy Class

## Flight Booking Menu

=====

- 1) Create Flight
- 2) Make Booking on Flight
- 3) Print A Flight's Manifest
- Q) Quit

Enter your choice: 2

## Available flights:

Flight number: 0, Destination: Hanover, Departure time: 17:30  
Flight number: 1, Destination: Nottingham East Mids, Departure time: 12:20

Enter flight number: 8

ERROR: Invalid menu choice!

## Available flights:

Flight number: 0, Destination: Hanover, Departure time: 17:30  
Flight number: 1, Destination: Nottingham East Mids, Departure time: 12:20

Enter flight number: 0

## Seat Type

=====

- C) Book Club Class Seat
  - E) Book Economy Class Seat
- Pick your seat type: c

## Seat Selection

=====

- 1) Pick Specific Seat
- 2) Any Window Seat
- 3) Any Aisle Seat
- 4) Any Seat

Enter Preference: 1

0 1 2 3

0:0 0 0 0

Enter Row: 2

ERROR: Invalid row number

0 1 2 3

0:0 0 0 0

Enter Row: 0

Enter Column: -1

ERROR: Invalid column number

0 1 2 3

0:0 0 0 0

Enter Row: 0

Enter Column: 3

Enter person's name: Laurence E. Day

Enter person's nationality: Unknown

Book another seat? (Y/N): y

Seat Type

=====

C) Book Club Class Seat

E) Book Economy Class Seat

Pick your seat type: c

Seat Selection

=====

1) Pick Specific Seat

2) Any Window Seat

3) Any Aisle Seat

4) Any Seat

Enter Preference: 1

0 1 2 3

0:0 0 0 X

Enter Row: 0

Enter Column: 2

Enter person's name: Chinstrap Plainstrider

Enter person's nationality: no

Book another seat? (Y/N): n

Flight Booking Menu

=====

1) Create Flight

2) Make Booking on Flight

3) Print A Flight's Manifest

Q) Quit

Enter your choice: 3

Available flights:

Flight number: 0, Destination: Hanover, Departure time: 17:30

Flight number: 1, Destination: Nottingham East Mids, Departure time: 12:20

Enter flight number: 0

Flight Manifest

Destination: Hanover

Departure time: 17:30

Club Class passenger list:

Row: 0, Column: 2, Name: Chinstrap Plainstrider, Nationality: no

Row: 0, Column: 3, Name: Laurence E. Day, Nationality: Unknown

Economy Class passenger list:

No passengers in Economy Class

Flight Booking Menu

=====

- 1) Create Flight
- 2) Make Booking on Flight
- 3) Print A Flight's Manifest
- Q) Quit

Enter your choice: 2

Available flights:

Flight number: 0, Destination: Hanover, Departure time: 17:30

Flight number: 1, Destination: Nottingham East Mids, Departure time: 12:20

Enter flight number: 0

Seat Type

=====

- C) Book Club Class Seat
  - E) Book Economy Class Seat
- Pick your seat type: c

Seat Selection

=====

- 1) Pick Specific Seat
- 2) Any Window Seat
- 3) Any Aisle Seat
- 4) Any Seat

Enter Preference: 2

Enter person's name: Michael Clark

Enter person's nationality: "Scottish" (actually English)

Book another seat? (Y/N): y

Seat Type

=====

- C) Book Club Class Seat
  - E) Book Economy Class Seat
- Pick your seat type: c

Seat Selection

=====

- 1) Pick Specific Seat
- 2) Any Window Seat
- 3) Any Aisle Seat
- 4) Any Seat

Enter Preference: 1

0 1 2 3

0:X 0 X X

Enter Row: 0

Enter Column: 0

ERROR: Seat already taken

0 1 2 3

0:X 0 X X

Enter Row: 0

Enter Column: 1

Enter person's name: Colin Higgins

Enter person's nationality: British

Book another seat? (Y/N): y

Seat Type

=====

- E) Book Economy Class Seat

Pick your seat type: e

Seat Selection  
=====

- 1) Pick Specific Seat
- 2) Any Window Seat
- 3) Any Aisle Seat
- 4) Any Seat

Enter Preference: 4

Enter person's name: Ed George  
Enter person's nationality: Brazilian

Book another seat? (Y/N): n

Flight Booking Menu  
=====

- 1) Create Flight
- 2) Make Booking on Flight
- 3) Print A Flight's Manifest
- Q) Quit

Enter your choice: 3

Available flights:  
Flight number: 0, Destination: Hanover, Departure time: 17:30  
Flight number: 1, Destination: Nottingham East Mids, Departure time: 12:20

Enter flight number: 0  
Flight Manifest  
Destination: Hanover  
Departure time: 17:30  
Club Class passenger list:  
Row: 0, Column: 0, Name: Michael Clark, Nationality: "Scottish" (actually English)  
Row: 0, Column: 1, Name: Colin Higgins, Nationality: British  
Row: 0, Column: 2, Name: Chinstrap Plainstrider, Nationality: no  
Row: 0, Column: 3, Name: Laurence E. Day, Nationality: Unknown  
Economy Class passenger list:  
Row: 0, Column: 0, Name: Ed George, Nationality: Brazilian

Flight Booking Menu  
=====

- 1) Create Flight
- 2) Make Booking on Flight
- 3) Print A Flight's Manifest
- Q) Quit

Enter your choice: 2

Available flights:  
Flight number: 0, Destination: Hanover, Departure time: 17:30  
Flight number: 1, Destination: Nottingham East Mids, Departure time: 12:20

Enter flight number: 1

Seat Type  
=====

- C) Book Club Class Seat
  - E) Book Economy Class Seat
- Pick your seat type: c

Seat Selection  
=====

- 1) Pick Specific Seat
- 2) Any Window Seat
- 3) Any Aisle Seat

4) Any Seat  
Enter Preference: 1  
0 1 2 3  
0:0 0 0 0  
1:0 0 0 0  
Enter Row: 1  
Enter Column: 3  
  
Enter person's name: Steve Bagley  
Enter person's nationality: Miscellaneous  
  
Book another seat? (Y/N): y

Seat Type  
=====

C) Book Club Class Seat  
E) Book Economy Class Seat  
Pick your seat type: c

Seat Selection  
=====

1) Pick Specific Seat  
2) Any Window Seat  
3) Any Aisle Seat  
4) Any Seat  
Enter Preference: 2

Enter person's name: Michael Hoy  
Enter person's nationality: British

Book another seat? (Y/N): y

Seat Type  
=====

C) Book Club Class Seat  
E) Book Economy Class Seat  
Pick your seat type: c

Seat Selection  
=====

1) Pick Specific Seat  
2) Any Window Seat  
3) Any Aisle Seat  
4) Any Seat  
Enter Preference: 2

Enter person's name: Turmoil  
Enter person's nationality: Turkish

Book another seat? (Y/N): y

Seat Type  
=====

C) Book Club Class Seat  
E) Book Economy Class Seat  
Pick your seat type: c

Seat Selection  
=====

1) Pick Specific Seat  
2) Any Window Seat  
3) Any Aisle Seat  
4) Any Seat

Enter Preference: 2

Enter person's name: Thorsten Altenkirch  
Enter person's nationality: Deutsch

Book another seat? (Y/N): y

Seat Type

=====

C) Book Club Class Seat  
E) Book Economy Class Seat  
Pick your seat type: c

Seat Selection

=====

1) Pick Specific Seat  
2) Any Window Seat  
3) Any Aisle Seat  
4) Any Seat  
Enter Preference: 2  
Sorry, no window seats left

Book another seat? (Y/N): y

Seat Type

=====

C) Book Club Class Seat  
E) Book Economy Class Seat  
Pick your seat type: c

Seat Selection

=====

1) Pick Specific Seat  
2) Any Window Seat  
3) Any Aisle Seat  
4) Any Seat  
Enter Preference: 1  
  0 1 2 3  
0:X O O X  
1:X O O X  
Enter Row: 0  
Enter Column: 0  
ERROR: Seat already taken  
  0 1 2 3  
0:X O O X  
1:X O O X  
Enter Row: 0  
Enter Column: 1

Enter person's name: Barack Obama  
Enter person's nationality: American

Book another seat? (Y/N): n

Flight Booking Menu

=====

1) Create Flight  
2) Make Booking on Flight  
3) Print A Flight's Manifest  
Q) Quit

Enter your choice: 3

Available flights:

Flight number: 0, Destination: Hanover, Departure time: 17:30

Flight number: 1, Destination: Nottingham East Mids, Departure time: 12:20

Enter flight number: 1

Flight Manifest

Destination: Nottingham East Mids

Departure time: 12:20

Club Class passenger list:

Row: 0, Column: 0, Name: Michael Hoy, Nationality: British

Row: 0, Column: 1, Name: Barack Obama, Nationality: American

Row: 0, Column: 3, Name: Turmoil, Nationality: Turkish

Row: 1, Column: 0, Name: Thorsten Altenkirch, Nationality: Deutsch

Row: 1, Column: 3, Name: Steve Bagley, Nationality: Miscellaneous

Economy Class passenger list:

No passengers in Economy Class

Flight Booking Menu

=====

1) Create Flight

2) Make Booking on Flight

3) Print A Flight's Manifest

Q) Quit

Enter your choice: 3

Available flights:

Flight number: 0, Destination: Hanover, Departure time: 17:30

Flight number: 1, Destination: Nottingham East Mids, Departure time: 12:20

Enter flight number: 0

Flight Manifest

Destination: Hanover

Departure time: 17:30

Club Class passenger list:

Row: 0, Column: 0, Name: Michael Clark, Nationality: "Scottish" (actually English)

Row: 0, Column: 1, Name: Colin Higgins, Nationality: British

Row: 0, Column: 2, Name: Chinstrap Plainstrider, Nationality: no

Row: 0, Column: 3, Name: Laurence E. Day, Nationality: Unknown

Economy Class passenger list:

Row: 0, Column: 0, Name: Ed George, Nationality: Brazilian

Flight Booking Menu

=====

1) Create Flight

2) Make Booking on Flight

3) Print A Flight's Manifest

Q) Quit

Enter your choice: q

Quitting....