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ONLINE TICKETING SERVICE

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- The program creates onlineticketingservice for a venue
- Customer can find, hold and reserve available seats
- There is no user Interface, Seating arrangement display and request for Customer details is through commandline/Console
- The Project is Build in Maven and Requires installation of
  - Maven 3.5.2
  - Java JDK 1.9
- Please make sure that you follow the instructions in setting up the above softwares and don't forget to set your path variables
- Check if your Maven is installed properly using command

mvn –version

Cd into your ProjectFolder and then run

Mvn clean install

Mvn package

Creates onlineticketingservice-0.0.1-SNAPSHOT.jar

To run the jar package

Cd into target folder

And run

Java -cp onlineticketingservice-0.0.1-SNAPSHOT.jar com.walmartlabs.ticketing.onlineticketingservice.view.SeatDisplayer

```
C:\Users\yashodeepthi\eclipse-workspace\onlineticketingservice\target>java -cp
onlineticketingservice-0.0.1-SNAPSHOT.jar com.walmartlabs.ticketing.onlineticket
ingservice.view.SeatDisplayer

 Please enter number of tickets
4

 Please enter emailAddress
l.g@g.com

 Welcome to the seating arragement
1 2 3 4 5 6 7 8 9 10
11 12 13 14 15 16 17 18 19 20
21 22 23 24 25 26 27 28 29 30
31 32 33 34 35 36 37 38 39 40
41 42 43 44 45 46 47 48 49 50
51 52 53 54 55 56 57 58 59 60
61 62 63 64 65 66 67 68 69 70
71 72 73 74 75 76 77 78 79 80
81 82 83 84 85 86 87 88 89 90
91 92 93 94 95 96 97 98 99 100

 please enter seat numbers
11
11
11
11

Sorry! error Ocuured !please select seat numbers
12
13
14
15

Your Seat has been reserved
1 2 3 4 5 6 7 8 9 10
B  B  B  B  B  16 17 18 19 20
21 22 23 24 25 26 27 28 29 30
31 32 33 34 35 36 37 38 39 40
41 42 43 44 45 46 47 48 49 50
51 52 53 54 55 56 57 58 59 60
61 62 63 64 65 66 67 68 69 70
71 72 73 74 75 76 77 78 79 80
81 82 83 84 85 86 87 88 89 90
91 92 93 94 95 96 97 98 99 100
```

To Run Tests in your project folder

mvn tests

#Assumptions made

- Designed for only one Venue.
- Venue By default has 100 seats available at the start of the program

- A person can book as many available seats
- The Seating Arrangement shown in rows
- Valid email id is checked once on server side, If Invalid email is given as input , error is thrown and program terminates
- It does not allow you to select same seat numbers twice and assuming multiple users trying to hold the same seats is not possible, multiple users can select the same seats, but whoever holds the seat first, gets the hold. Other users can reselect different seat numbers, as prompted by console.
- Check timer is coded to 60000 mill seconds, find, hold, reservations must be completed within this time.
- If the time elapses before reserving the seats, The holded seats will be released, user will be informed about timeout.
- The Booked seats will be shown with "B".
- Testcases written and run for corresponding classes.

Future Enhancements

- Logging
- Exception Handling
- userInterface and api to service requests
- Design enhancement to handle multiple venues