

Screenshots

Screen 1 – sign up user

```
"C:\Program Files\Java\jdk-13.0.1\bin\java.exe" "-javaagent:C:\Users\Raymond Lin\AppData\Local\
If this is your first time using the system, please choose 'U' "for Sign [U]p" when prompted.
Sign [U]p  Sign [I]n  E[X]it
Select Option (U, I, X): U
New User Registration:
Username: admin
Password: pass
New User successfully registered. Please sign in with newly created credentials.
Sign [U]p  Sign [I]n  E[X]it
Select Option (U, I, X):
```

Screen 2 – incorrect username

```
New User Registration:
Username: admin
Password: pass
New User successfully registered. Please sign in with newly created credentials.
Sign [U]p  Sign [I]n  E[X]it
Select Option (U, I, X): I
Username: admin
Password: pass
Incorrect username or password.
Sign [U]p  Sign [I]n  E[X]it
Select Option (U, I, X):
```

Screen 3 – incorrect password

```
Sign [U]p  Sign [I]n  E[X]it
Select Option (U, I, X): I
Username: admin
Password: password
Incorrect username or password.
Sign [U]p  Sign [I]n  E[X]it
```

Screen 4 – valid credentials:

```
Sign [U]p   Sign [I]n   E[X]it
Select Option (U, I, X): I
Username: admin
Password: pass
Logged in as: admin
[R]eserve   [V]iew   [C]ancel   [O]ut
Select Option (R, V, C, O):
```

Screen 5 – Reserve 10 Seats

```
Beginning New Reservation:
Please Choose Movie Time Slot by using the number listed on the left:
(1) 12-23-2020 18:30
(2) 12-23-2020 20:30
(3) 12-24-2020 18:30
(4) 12-24-2020 20:30
(5) 12-25-2020 18:30
(6) 12-25-2020 20:30
(7) 12-26-2020 18:30
(8) 12-26-2020 20:30
(9) 12-27-2020 18:30
(10) 12-27-2020 20:30
(11) 12-28-2020 18:30
(12) 12-28-2020 20:30
(13) 12-29-2020 18:30
(14) 12-29-2020 20:30
(15) 12-30-2020 18:30
(16) 12-30-2020 20:30
(17) 12-31-2020 18:30
(18) 12-31-2020 20:30
(19) 01-01-2021 18:30
(20) 01-01-2021 20:30
(21) 01-02-2021 18:30
(22) 01-02-2021 20:30

If you are done, type in "Done".
Selection: 1
Available Seats:
Main Floor:
m1, m2, m3, m4, m5, m6, m7, m8, m9, m10, m11, m12, m13, m14, m15, m16, m17, m18, m19, m20, m21, m22, m23, m24, m25, m26,
m27, m28, m29, m30, m31, m32, m33, m34, m35, m36, m37, m38, m39, m40, m41, m42, m43, m44, m45, m46, m47, m48, m49, m50,
m51, m52, m53, m54, m55, m56, m57, m58, m59, m60, m61, m62, m63, m64, m65, m66, m67, m68, m69, m70, m71, m72, m73, m74, m75, m76,
```

```
If you are done, type in "Done".
Selection: 1
Available Seats:
Main Floor:
m1, m2, m3, m4, m5, m6, m7, m8, m9, m10, m11, m12, m13, m14, m15, m16, m17, m18, m19, m20, m21, m22, m23, m24, m25, m26,
m27, m28, m29, m30, m31, m32, m33, m34, m35, m36, m37, m38, m39, m40, m41, m42, m43, m44, m45, m46, m47, m48, m49, m50
m51, m52, m53, m54, m55, m56, m57, m58, m59, m60, m61, m62, m63, m64, m65, m66, m67, m68, m69, m70, m71, m72, m73, m74, m75, m76,
m77, m78, m79, m80, m81, m82, m83, m84, m85, m86, m87, m88, m89, m90, m91, m92, m93, m94, m95, m96, m97, m98, m99, m100
m101, m102, m103, m104, m105, m106, m107, m108, m109, m110, m111, m112, m113, m114, m115, m116, m117, m118, m119, m120, m121, m122, m123, m124, m125, m126,
m127, m128, m129, m130, m131, m132, m133, m134, m135, m136, m137, m138, m139, m140, m141, m142, m143, m144, m145, m146, m147, m148, m149, m150
South Balcony:
sb1, sb2, sb3, sb4, sb5, sb6, sb7, sb8, sb9, sb10, sb11, sb12, sb13, sb14, sb15, sb16, sb17, sb18, sb19, sb20, sb21, sb22, sb23, sb24, sb25
sb26, sb27, sb28, sb29, sb30, sb31, sb32, sb33, sb34, sb35, sb36, sb37, sb38, sb39, sb40, sb41, sb42, sb43, sb44, sb45, sb46, sb47, sb48, sb49, sb50
West Balcony:
wb1, wb2, wb3, wb4, wb5, wb6, wb7, wb8, wb9, wb10, wb11, wb12, wb13, wb14, wb15, wb16, wb17, wb18, wb19, wb20, wb21, wb22, wb23, wb24, wb25, wb26,
wb27, wb28, wb29, wb30, wb31, wb32, wb33, wb34, wb35, wb36, wb37, wb38, wb39, wb40, wb41, wb42, wb43, wb44, wb45, wb46, wb47, wb48, wb49, wb50, wb51,
wb52, wb53, wb54, wb55, wb56, wb57, wb58, wb59, wb60, wb61, wb62, wb63, wb64, wb65, wb66, wb67, wb68, wb69, wb70, wb71, wb72, wb73, wb74, wb75, wb76,
wb77, wb78, wb79, wb80, wb81, wb82, wb83, wb84, wb85, wb86, wb87, wb88, wb89, wb90, wb91, wb92, wb93, wb94, wb95, wb96, wb97, wb98, wb99, wb100
East Balcony:
eb1, eb2, eb3, eb4, eb5, eb6, eb7, eb8, eb9, eb10, eb11, eb12, eb13, eb14, eb15, eb16, eb17, eb18, eb19, eb20, eb21, eb22, eb23, eb24, eb25, eb26,
eb27, eb28, eb29, eb30, eb31, eb32, eb33, eb34, eb35, eb36, eb37, eb38, eb39, eb40, eb41, eb42, eb43, eb44, eb45, eb46, eb47, eb48, eb49, eb50, eb51,
eb52, eb53, eb54, eb55, eb56, eb57, eb58, eb59, eb60, eb61, eb62, eb63, eb64, eb65, eb66, eb67, eb68, eb69, eb70, eb71, eb72, eb73, eb74, eb75, eb76,
eb77, eb78, eb79, eb80, eb81, eb82, eb83, eb84, eb85, eb86, eb87, eb88, eb89, eb90, eb91, eb92, eb93, eb94, eb95, eb96, eb97, eb98, eb99, eb100

Pick your seats. Type seats with commas and spaces exactly as shown.
For Example: eb66, eb67, eb68, eb69, eb70, eb71, eb72
To Exit Seat Selection, Type "Done".
Seat Selection: m1, m50, m150, sb1, sb50, wb100, eb100, wb1, eb1, eb94
Available Seats:
Main Floor:
```

```
Pick your seats. Type seats with commas and spaces exactly as shown.
For Example: eb66, eb67, eb68, eb69, eb70, eb71, eb72
To Exit Seat Selection, Type "Done".
Seat Selection: m1, m50, m150, sb1, sb50, wb100, eb100, wb1, eb1, eb94
Available Seats:
Main Floor:
m2, m3, m4, m5, m6, m7, m8, m9, m10, m11, m12, m13, m14, m15, m16, m17, m18, m19, m20, m21, m22, m23, m24, m25, m26,
m27, m28, m29, m30, m31, m32, m33, m34, m35, m36, m37, m38, m39, m40, m41, m42, m43, m44, m45, m46, m47, m48, m49,
m51, m52, m53, m54, m55, m56, m57, m58, m59, m60, m61, m62, m63, m64, m65, m66, m67, m68, m69, m70, m71, m72, m73, m74, m75, m76,
m77, m78, m79, m80, m81, m82, m83, m84, m85, m86, m87, m88, m89, m90, m91, m92, m93, m94, m95, m96, m97, m98, m99, m100
m101, m102, m103, m104, m105, m106, m107, m108, m109, m110, m111, m112, m113, m114, m115, m116, m117, m118, m119, m120, m121, m122, m123, m124, m125, m126,
m127, m128, m129, m130, m131, m132, m133, m134, m135, m136, m137, m138, m139, m140, m141, m142, m143, m144, m145, m146, m147, m148, m149,
South Balcony:
sb2, sb3, sb4, sb5, sb6, sb7, sb8, sb9, sb10, sb11, sb12, sb13, sb14, sb15, sb16, sb17, sb18, sb19, sb20, sb21, sb22, sb23, sb24, sb25
sb26, sb27, sb28, sb29, sb30, sb31, sb32, sb33, sb34, sb35, sb36, sb37, sb38, sb39, sb40, sb41, sb42, sb43, sb44, sb45, sb46, sb47, sb48, sb49,
West Balcony:
wb2, wb3, wb4, wb5, wb6, wb7, wb8, wb9, wb10, wb11, wb12, wb13, wb14, wb15, wb16, wb17, wb18, wb19, wb20, wb21, wb22, wb23, wb24, wb25, wb26,
wb27, wb28, wb29, wb30, wb31, wb32, wb33, wb34, wb35, wb36, wb37, wb38, wb39, wb40, wb41, wb42, wb43, wb44, wb45, wb46, wb47, wb48, wb49, wb50, wb51,
wb52, wb53, wb54, wb55, wb56, wb57, wb58, wb59, wb60, wb61, wb62, wb63, wb64, wb65, wb66, wb67, wb68, wb69, wb70, wb71, wb72, wb73, wb74, wb75, wb76,
wb77, wb78, wb79, wb80, wb81, wb82, wb83, wb84, wb85, wb86, wb87, wb88, wb89, wb90, wb91, wb92, wb93, wb94, wb95, wb96, wb97, wb98, wb99,
East Balcony:
eb2, eb3, eb4, eb5, eb6, eb7, eb8, eb9, eb10, eb11, eb12, eb13, eb14, eb15, eb16, eb17, eb18, eb19, eb20, eb21, eb22, eb23, eb24, eb25, eb26,
eb27, eb28, eb29, eb30, eb31, eb32, eb33, eb34, eb35, eb36, eb37, eb38, eb39, eb40, eb41, eb42, eb43, eb44, eb45, eb46, eb47, eb48, eb49, eb50, eb51,
eb52, eb53, eb54, eb55, eb56, eb57, eb58, eb59, eb60, eb61, eb62, eb63, eb64, eb65, eb66, eb67, eb68, eb69, eb70, eb71, eb72, eb73, eb74, eb75, eb76,
eb77, eb78, eb79, eb80, eb81, eb82, eb83, eb84, eb85, eb86, eb87, eb88, eb89, eb90, eb91, eb92, eb93, eb95, eb96, eb97, eb98, eb99,

Pick your seats. Type seats with commas and spaces exactly as shown.
For Example: eb66, eb67, eb68, eb69, eb70, eb71, eb72
To Exit Seat Selection, Type "Done".
Seat Selection:
```

Screen 5 – Reserve Error:

```
To Exit Seat Selection, Type "Done".
Seat Selection: m1, m50, m150, sb1, sb50, wb100, eb100, wb1, eb1, eb94
Available Seats:
Main Floor:
m2, m3, m4, m5, m6, m7, m8, m9, m10, m11, m12, m13, m14, m15, m16, m17, m18, m19, m20, m21, m22, m23, m24, m25, m26,
m27, m28, m29, m30, m31, m32, m33, m34, m35, m36, m37, m38, m39, m40, m41, m42, m43, m44, m45, m46, m47, m48, m49,
m51, m52, m53, m54, m55, m56, m57, m58, m59, m60, m61, m62, m63, m64, m65, m66, m67, m68, m69, m70, m71, m72, m73, m74, m75, m76,
m77, m78, m79, m80, m81, m82, m83, m84, m85, m86, m87, m88, m89, m90, m91, m92, m93, m94, m95, m96, m97, m98, m99, m100
m101, m102, m103, m104, m105, m106, m107, m108, m109, m110, m111, m112, m113, m114, m115, m116, m117, m118, m119, m120, m121, m122, m123, m124, m125, m126,
m127, m128, m129, m130, m131, m132, m133, m134, m135, m136, m137, m138, m139, m140, m141, m142, m143, m144, m145, m146, m147, m148, m149,
South Balcony:
sb2, sb3, sb4, sb5, sb6, sb7, sb8, sb9, sb10, sb11, sb12, sb13, sb14, sb15, sb16, sb17, sb18, sb19, sb20, sb21, sb22, sb23, sb24, sb25
sb26, sb27, sb28, sb29, sb30, sb31, sb32, sb33, sb34, sb35, sb36, sb37, sb38, sb39, sb40, sb41, sb42, sb43, sb44, sb45, sb46, sb47, sb48, sb49,
West Balcony:
wb2, wb3, wb4, wb5, wb6, wb7, wb8, wb9, wb10, wb11, wb12, wb13, wb14, wb15, wb16, wb17, wb18, wb19, wb20, wb21, wb22, wb23, wb24, wb25, wb26,
wb27, wb28, wb29, wb30, wb31, wb32, wb33, wb34, wb35, wb36, wb37, wb38, wb39, wb40, wb41, wb42, wb43, wb44, wb45, wb46, wb47, wb48, wb49, wb50, wb51,
wb52, wb53, wb54, wb55, wb56, wb57, wb58, wb59, wb60, wb61, wb62, wb63, wb64, wb65, wb66, wb67, wb68, wb69, wb70, wb71, wb72, wb73, wb74, wb75, wb76,
wb77, wb78, wb79, wb80, wb81, wb82, wb83, wb84, wb85, wb86, wb87, wb88, wb89, wb90, wb91, wb92, wb93, wb94, wb95, wb96, wb97, wb98, wb99,
East Balcony:
eb2, eb3, eb4, eb5, eb6, eb7, eb8, eb9, eb10, eb11, eb12, eb13, eb14, eb15, eb16, eb17, eb18, eb19, eb20, eb21, eb22, eb23, eb24, eb25, eb26,
eb27, eb28, eb29, eb30, eb31, eb32, eb33, eb34, eb35, eb36, eb37, eb38, eb39, eb40, eb41, eb42, eb43, eb44, eb45, eb46, eb47, eb48, eb49, eb50, eb51,
eb52, eb53, eb54, eb55, eb56, eb57, eb58, eb59, eb60, eb61, eb62, eb63, eb64, eb65, eb66, eb67, eb68, eb69, eb70, eb71, eb72, eb73, eb74, eb75, eb76,
eb77, eb78, eb79, eb80, eb81, eb82, eb83, eb84, eb85, eb86, eb87, eb88, eb89, eb90, eb91, eb92, eb93, eb95, eb96, eb97, eb98, eb99,

Pick your seats. Type seats with commas and spaces exactly as shown.
For Example: eb66, eb67, eb68, eb69, eb70, eb71, eb72
To Exit Seat Selection, Type "Done".
Seat Selection: m1
Error occurred:

lin.cs151.theaterReservationAvailability.SeatOverBookException: Seat m1 already reserved.We did not attempt to reserve any of the above mentioned seats. Please try again.
Press any key to continue reservation.
```

Screen 6 – Discount Night:

Reservation process completed. Would you like to make another one? (yes/no)

yes

Beginning New Reservation:

Please Choose Movie Time Slot by using the number listed on the left:

- (1) 12-23-2020 18:30
- (2) 12-23-2020 20:30
- (3) 12-24-2020 18:30
- (4) 12-24-2020 20:30
- (5) 12-25-2020 18:30
- (6) 12-25-2020 20:30
- (7) 12-26-2020 18:30
- (8) 12-26-2020 20:30
- (9) 12-27-2020 18:30
- (10) 12-27-2020 20:30
- (11) 12-28-2020 18:30
- (12) 12-28-2020 20:30
- (13) 12-29-2020 18:30
- (14) 12-29-2020 20:30
- (15) 12-30-2020 18:30
- (16) 12-30-2020 20:30
- (17) 12-31-2020 18:30
- (18) 12-31-2020 20:30
- (19) 01-01-2021 18:30
- (20) 01-01-2021 20:30
- (21) 01-02-2021 18:30
- (22) 01-02-2021 20:30

If you are done, type in "Done".

Selection: 8

Available Seats:

Main Floor:

```
If you are done, type in "Done".
Selection: 8
Available Seats:
Main Floor:
m1, m2, m3, m4, m5, m6, m7, m8, m9, m10, m11, m12, m13, m14, m15, m16, m17, m18, m19, m20, m21, m22, m23, m24, m25, m26,
m27, m28, m29, m30, m31, m32, m33, m34, m35, m36, m37, m38, m39, m40, m41, m42, m43, m44, m45, m46, m47, m48, m49, m50
m51, m52, m53, m54, m55, m56, m57, m58, m59, m60, m61, m62, m63, m64, m65, m66, m67, m68, m69, m70, m71, m72, m73, m74, m75, m76,
m77, m78, m79, m80, m81, m82, m83, m84, m85, m86, m87, m88, m89, m90, m91, m92, m93, m94, m95, m96, m97, m98, m99, m100
m101, m102, m103, m104, m105, m106, m107, m108, m109, m110, m111, m112, m113, m114, m115, m116, m117, m118, m119, m120, m121, m122, m123, m124, m125, m126,
m127, m128, m129, m130, m131, m132, m133, m134, m135, m136, m137, m138, m139, m140, m141, m142, m143, m144, m145, m146, m147, m148, m149, m150
South Balcony:
sb1, sb2, sb3, sb4, sb5, sb6, sb7, sb8, sb9, sb10, sb11, sb12, sb13, sb14, sb15, sb16, sb17, sb18, sb19, sb20, sb21, sb22, sb23, sb24, sb25
sb26, sb27, sb28, sb29, sb30, sb31, sb32, sb33, sb34, sb35, sb36, sb37, sb38, sb39, sb40, sb41, sb42, sb43, sb44, sb45, sb46, sb47, sb48, sb49, sb50
West Balcony:
wb1, wb2, wb3, wb4, wb5, wb6, wb7, wb8, wb9, wb10, wb11, wb12, wb13, wb14, wb15, wb16, wb17, wb18, wb19, wb20, wb21, wb22, wb23, wb24, wb25, wb26,
wb27, wb28, wb29, wb30, wb31, wb32, wb33, wb34, wb35, wb36, wb37, wb38, wb39, wb40, wb41, wb42, wb43, wb44, wb45, wb46, wb47, wb48, wb49, wb50, wb51,
wb52, wb53, wb54, wb55, wb56, wb57, wb58, wb59, wb60, wb61, wb62, wb63, wb64, wb65, wb66, wb67, wb68, wb69, wb70, wb71, wb72, wb73, wb74, wb75, wb76,
wb77, wb78, wb79, wb80, wb81, wb82, wb83, wb84, wb85, wb86, wb87, wb88, wb89, wb90, wb91, wb92, wb93, wb94, wb95, wb96, wb97, wb98, wb99, wb100
East Balcony:
eb1, eb2, eb3, eb4, eb5, eb6, eb7, eb8, eb9, eb10, eb11, eb12, eb13, eb14, eb15, eb16, eb17, eb18, eb19, eb20, eb21, eb22, eb23, eb24, eb25, eb26,
eb27, eb28, eb29, eb30, eb31, eb32, eb33, eb34, eb35, eb36, eb37, eb38, eb39, eb40, eb41, eb42, eb43, eb44, eb45, eb46, eb47, eb48, eb49, eb50, eb51,
eb52, eb53, eb54, eb55, eb56, eb57, eb58, eb59, eb60, eb61, eb62, eb63, eb64, eb65, eb66, eb67, eb68, eb69, eb70, eb71, eb72, eb73, eb74, eb75, eb76,
eb77, eb78, eb79, eb80, eb81, eb82, eb83, eb84, eb85, eb86, eb87, eb88, eb89, eb90, eb91, eb92, eb93, eb94, eb95, eb96, eb97, eb98, eb99, eb100

Pick your seats. Type seats with commas and spaces exactly as shown.
For Example: eb66, eb67, eb68, eb69, eb70, eb71, eb72
To Exit Seat Selection, Type "Done".
Seat Selection: sb9, eb100, m150, wb10, m36
Available Seats:
Main Floor:
```

```
Pick your seats. Type seats with commas and spaces exactly as shown.
For Example: eb66, eb67, eb68, eb69, eb70, eb71, eb72
To Exit Seat Selection, Type "Done".
Seat Selection: sb9, eb100, m150, wb10, m36
Available Seats:
Main Floor:
m1, m2, m3, m4, m5, m6, m7, m8, m9, m10, m11, m12, m13, m14, m15, m16, m17, m18, m19, m20, m21, m22, m23, m24, m25, m26,
m27, m28, m29, m30, m31, m32, m33, m34, m35, m37, m38, m39, m40, m41, m42, m43, m44, m45, m46, m47, m48, m49, m50
m51, m52, m53, m54, m55, m56, m57, m58, m59, m60, m61, m62, m63, m64, m65, m66, m67, m68, m69, m70, m71, m72, m73, m74, m75, m76,
m77, m78, m79, m80, m81, m82, m83, m84, m85, m86, m87, m88, m89, m90, m91, m92, m93, m94, m95, m96, m97, m98, m99, m100
m101, m102, m103, m104, m105, m106, m107, m108, m109, m110, m111, m112, m113, m114, m115, m116, m117, m118, m119, m120, m121, m122, m123, m124, m125, m126,
m127, m128, m129, m130, m131, m132, m133, m134, m135, m136, m137, m138, m139, m140, m141, m142, m143, m144, m145, m146, m147, m148, m149,
South Balcony:
sb1, sb2, sb3, sb4, sb5, sb6, sb7, sb8, sb10, sb11, sb12, sb13, sb14, sb15, sb16, sb17, sb18, sb19, sb20, sb21, sb22, sb23, sb24, sb25
sb26, sb27, sb28, sb29, sb30, sb31, sb32, sb33, sb34, sb35, sb36, sb37, sb38, sb39, sb40, sb41, sb42, sb43, sb44, sb45, sb46, sb47, sb48, sb49, sb50
West Balcony:
wb1, wb2, wb3, wb4, wb5, wb6, wb7, wb8, wb9, wb11, wb12, wb13, wb14, wb15, wb16, wb17, wb18, wb19, wb20, wb21, wb22, wb23, wb24, wb25, wb26,
wb27, wb28, wb29, wb30, wb31, wb32, wb33, wb34, wb35, wb36, wb37, wb38, wb39, wb40, wb41, wb42, wb43, wb44, wb45, wb46, wb47, wb48, wb49, wb50, wb51,
wb52, wb53, wb54, wb55, wb56, wb57, wb58, wb59, wb60, wb61, wb62, wb63, wb64, wb65, wb66, wb67, wb68, wb69, wb70, wb71, wb72, wb73, wb74, wb75, wb76,
wb77, wb78, wb79, wb80, wb81, wb82, wb83, wb84, wb85, wb86, wb87, wb88, wb89, wb90, wb91, wb92, wb93, wb94, wb95, wb96, wb97, wb98, wb99, wb100
East Balcony:
eb1, eb2, eb3, eb4, eb5, eb6, eb7, eb8, eb9, eb10, eb11, eb12, eb13, eb14, eb15, eb16, eb17, eb18, eb19, eb20, eb21, eb22, eb23, eb24, eb25, eb26,
eb27, eb28, eb29, eb30, eb31, eb32, eb33, eb34, eb35, eb36, eb37, eb38, eb39, eb40, eb41, eb42, eb43, eb44, eb45, eb46, eb47, eb48, eb49, eb50, eb51,
eb52, eb53, eb54, eb55, eb56, eb57, eb58, eb59, eb60, eb61, eb62, eb63, eb64, eb65, eb66, eb67, eb68, eb69, eb70, eb71, eb72, eb73, eb74, eb75, eb76,
eb77, eb78, eb79, eb80, eb81, eb82, eb83, eb84, eb85, eb86, eb87, eb88, eb89, eb90, eb91, eb92, eb93, eb94, eb95, eb96, eb97, eb98, eb99,

Pick your seats. Type seats with commas and spaces exactly as shown.
For Example: eb66, eb67, eb68, eb69, eb70, eb71, eb72
To Exit Seat Selection, Type "Done".
Seat Selection:
```

Screen 7 – Reserve 5 more seats:

```
Beginning New Reservation:
Please Choose Movie Time Slot by using the number listed on the left:
(1) 12-23-2020 18:30
(2) 12-23-2020 20:30
(3) 12-24-2020 18:30
(4) 12-24-2020 20:30
(5) 12-25-2020 18:30
(6) 12-25-2020 20:30
(7) 12-26-2020 18:30
(8) 12-26-2020 20:30
(9) 12-27-2020 18:30
(10) 12-27-2020 20:30
(11) 12-28-2020 18:30
(12) 12-28-2020 20:30
(13) 12-29-2020 18:30
(14) 12-29-2020 20:30
(15) 12-30-2020 18:30
(16) 12-30-2020 20:30
(17) 12-31-2020 18:30
(18) 12-31-2020 20:30
(19) 01-01-2021 18:30
(20) 01-01-2021 20:30
(21) 01-02-2021 18:30
(22) 01-02-2021 20:30

If you are done, type in "Done".
Selection: 1
Available Seats:
Main Floor:
m2, m3, m4, m5, m6, m7, m8, m9, m10, m11, m12, m13, m14, m15, m16, m17, m18, m19, m20, m21, m22, m23, m24, m25, m26,
m27, m28, m29, m30, m31, m32, m33, m34, m35, m36, m37, m38, m39, m40, m41, m42, m43, m44, m45, m46, m47, m48, m49,
```

```
If you are done, type in "Done".

Selection: 1
Available Seats:
Main Floor:
m2, m3, m4, m5, m6, m7, m8, m9, m10, m11, m12, m13, m14, m15, m16, m17, m18, m19, m20, m21, m22, m23, m24, m25, m26,
m27, m28, m29, m30, m31, m32, m33, m34, m35, m36, m37, m38, m39, m40, m41, m42, m43, m44, m45, m46, m47, m48, m49,
m51, m52, m53, m54, m55, m56, m57, m58, m59, m60, m61, m62, m63, m64, m65, m66, m67, m68, m69, m70, m71, m72, m73, m74, m75, m76,
m77, m78, m79, m80, m81, m82, m83, m84, m85, m86, m87, m88, m89, m90, m91, m92, m93, m94, m95, m96, m97, m98, m99, m100
m101, m102, m103, m104, m105, m106, m107, m108, m109, m110, m111, m112, m113, m114, m115, m116, m117, m118, m119, m120, m121, m122, m123, m124, m125, m126,
m127, m128, m129, m130, m131, m132, m133, m134, m135, m136, m137, m138, m139, m140, m141, m142, m143, m144, m145, m146, m147, m148, m149,
South Balcony:
sb2, sb3, sb4, sb5, sb6, sb7, sb8, sb9, sb10, sb11, sb12, sb13, sb14, sb15, sb16, sb17, sb18, sb19, sb20, sb21, sb22, sb23, sb24, sb25
sb26, sb27, sb28, sb29, sb30, sb31, sb32, sb33, sb34, sb35, sb36, sb37, sb38, sb39, sb40, sb41, sb42, sb43, sb44, sb45, sb46, sb47, sb48, sb49,
West Balcony:
wb2, wb3, wb4, wb5, wb6, wb7, wb8, wb9, wb10, wb11, wb12, wb13, wb14, wb15, wb16, wb17, wb18, wb19, wb20, wb21, wb22, wb23, wb24, wb25, wb26,
wb27, wb28, wb29, wb30, wb31, wb32, wb33, wb34, wb35, wb36, wb37, wb38, wb39, wb40, wb41, wb42, wb43, wb44, wb45, wb46, wb47, wb48, wb49, wb50, wb51,
wb52, wb53, wb54, wb55, wb56, wb57, wb58, wb59, wb60, wb61, wb62, wb63, wb64, wb65, wb66, wb67, wb68, wb69, wb70, wb71, wb72, wb73, wb74, wb75, wb76,
wb77, wb78, wb79, wb80, wb81, wb82, wb83, wb84, wb85, wb86, wb87, wb88, wb89, wb90, wb91, wb92, wb93, wb94, wb95, wb96, wb97, wb98, wb99,
East Balcony:
eb2, eb3, eb4, eb5, eb6, eb7, eb8, eb9, eb10, eb11, eb12, eb13, eb14, eb15, eb16, eb17, eb18, eb19, eb20, eb21, eb22, eb23, eb24, eb25, eb26,
eb27, eb28, eb29, eb30, eb31, eb32, eb33, eb34, eb35, eb36, eb37, eb38, eb39, eb40, eb41, eb42, eb43, eb44, eb45, eb46, eb47, eb48, eb49, eb50, eb51,
eb52, eb53, eb54, eb55, eb56, eb57, eb58, eb59, eb60, eb61, eb62, eb63, eb64, eb65, eb66, eb67, eb68, eb69, eb70, eb71, eb72, eb73, eb74, eb75, eb76,
eb77, eb78, eb79, eb80, eb81, eb82, eb83, eb84, eb85, eb86, eb87, eb88, eb89, eb90, eb91, eb92, eb93, eb95, eb96, eb97, eb98, eb99,

Pick your seats. Type seats with commas and spaces exactly as shown.
For Example: eb66, eb67, eb68, eb69, eb70, eb71, eb72
To Exit Seat Selection, Type "Done".
Seat Selection: m23, m10, eb90, eb97, wb85
Available Seats:
Main Floor:
m2, m3, m4, m5, m6, m7, m8, m9, m11, m12, m13, m14, m15, m16, m17, m18, m19, m20, m21, m22, m24, m25, m26,
m27, m28, m29, m30, m31, m32, m33, m34, m35, m36, m37, m38, m39, m40, m41, m42, m43, m44, m45, m46, m47, m48, m49,
```

```
eb77, eb78, eb79, eb80, eb81, eb82, eb83, eb84, eb85, eb86, eb87, eb88, eb89, eb90, eb91, eb92, eb93, eb95, eb96, eb97, eb98, eb99,

Pick your seats. Type seats with commas and spaces exactly as shown.
For Example: eb66, eb67, eb68, eb69, eb70, eb71, eb72
To Exit Seat Selection, Type "Done".
Seat Selection: m23, m10, eb90, eb97, wb85
Available Seats:
Main Floor:
m2, m3, m4, m5, m6, m7, m8, m9, m11, m12, m13, m14, m15, m16, m17, m18, m19, m20, m21, m22, m24, m25, m26,
m27, m28, m29, m30, m31, m32, m33, m34, m35, m36, m37, m38, m39, m40, m41, m42, m43, m44, m45, m46, m47, m48, m49,
m51, m52, m53, m54, m55, m56, m57, m58, m59, m60, m61, m62, m63, m64, m65, m66, m67, m68, m69, m70, m71, m72, m73, m74, m75, m76,
m77, m78, m79, m80, m81, m82, m83, m84, m85, m86, m87, m88, m89, m90, m91, m92, m93, m94, m95, m96, m97, m98, m99, m100
m101, m102, m103, m104, m105, m106, m107, m108, m109, m110, m111, m112, m113, m114, m115, m116, m117, m118, m119, m120, m121, m122, m123, m124, m125, m126,
m127, m128, m129, m130, m131, m132, m133, m134, m135, m136, m137, m138, m139, m140, m141, m142, m143, m144, m145, m146, m147, m148, m149,
South Balcony:
sb2, sb3, sb4, sb5, sb6, sb7, sb8, sb9, sb10, sb11, sb12, sb13, sb14, sb15, sb16, sb17, sb18, sb19, sb20, sb21, sb22, sb23, sb24, sb25
sb26, sb27, sb28, sb29, sb30, sb31, sb32, sb33, sb34, sb35, sb36, sb37, sb38, sb39, sb40, sb41, sb42, sb43, sb44, sb45, sb46, sb47, sb48, sb49,
West Balcony:
wb2, wb3, wb4, wb5, wb6, wb7, wb8, wb9, wb10, wb11, wb12, wb13, wb14, wb15, wb16, wb17, wb18, wb19, wb20, wb21, wb22, wb23, wb24, wb25, wb26,
wb27, wb28, wb29, wb30, wb31, wb32, wb33, wb34, wb35, wb36, wb37, wb38, wb39, wb40, wb41, wb42, wb43, wb44, wb45, wb46, wb47, wb48, wb49, wb50, wb51,
wb52, wb53, wb54, wb55, wb56, wb57, wb58, wb59, wb60, wb61, wb62, wb63, wb64, wb65, wb66, wb67, wb68, wb69, wb70, wb71, wb72, wb73, wb74, wb75, wb76,
wb77, wb78, wb79, wb80, wb81, wb82, wb83, wb84, wb86, wb87, wb88, wb89, wb90, wb91, wb92, wb93, wb94, wb95, wb96, wb97, wb98, wb99,
East Balcony:
eb2, eb3, eb4, eb5, eb6, eb7, eb8, eb9, eb10, eb11, eb12, eb13, eb14, eb15, eb16, eb17, eb18, eb19, eb20, eb21, eb22, eb23, eb24, eb25, eb26,
eb27, eb28, eb29, eb30, eb31, eb32, eb33, eb34, eb35, eb36, eb37, eb38, eb39, eb40, eb41, eb42, eb43, eb44, eb45, eb46, eb47, eb48, eb49, eb50, eb51,
eb52, eb53, eb54, eb55, eb56, eb57, eb58, eb59, eb60, eb61, eb62, eb63, eb64, eb65, eb66, eb67, eb68, eb69, eb70, eb71, eb72, eb73, eb74, eb75, eb76,
eb77, eb78, eb79, eb80, eb81, eb82, eb83, eb84, eb85, eb86, eb87, eb88, eb89, eb91, eb92, eb93, eb95, eb96, eb98, eb99,

Pick your seats. Type seats with commas and spaces exactly as shown.
For Example: eb66, eb67, eb68, eb69, eb70, eb71, eb72
To Exit Seat Selection, Type "Done".
Seat Selection:
```


Screen 8 – cancel 2 seats here and 1 seat there

```
Modifying/Cancelling Reservation
(1) 12-23-2020 18:30
(2) 12-23-2020 18:30
(3) 12-26-2020 20:30

Type "done" to exit.
Select show date\time to modify: 2
Seats Reserved in this Reservation:
m10, eb90, wb85,
Please choose seats to remove.
For Example: eb66, eb67, eb68, eb69, eb70, eb71, eb72
To Not Cancel Seats, Type "Done".
Selection: m10
Seats Reserved in this Reservation:
eb90, wb85,
Please choose seats to remove.
For Example: eb66, eb67, eb68, eb69, eb70, eb71, eb72
To Not Cancel Seats, Type "Done".
Selection: done
[R]eserve  [V]iew  [C]ancel  [O]ut
```

```
Select Option (R, V, C, O): C
Modifying/Cancelling Reservation
(1) 12-23-2020 18:30
(2) 12-23-2020 18:30
(3) 12-26-2020 20:30

Type "done" to exit.
Select show date\time to modify: 2
Seats Reserved in this Reservation:
m23, m10, eb90, eb97, wb85,
Please choose seats to remove.
For Example: eb66, eb67, eb68, eb69, eb70, eb71, eb72
To Not Cancel Seats, Type "Done".
Selection: m23, eb97
Seats Reserved in this Reservation:
m10, eb90, wb85,
Please choose seats to remove.
For Example: eb66, eb67, eb68, eb69, eb70, eb71, eb72
To Not Cancel Seats, Type "Done".
Selection: done
```

```
Modifying/Cancelling Reservation
(1) 12-23-2020 18:30
(2) 12-23-2020 18:30
(3) 12-26-2020 20:30

Type "done" to exit.
Select show date\time to modify: 1
Seats Reserved in this Reservation:
m1, m50, m150, sb1, sb50, wb100, eb100, wb1, eb1, eb94,
Please choose seats to remove.
For Example: eb66, eb67, eb68, eb69, eb70, eb71, eb72
To Not Cancel Seats, Type "Done".
Selection: eb94, sb50
Seats Reserved in this Reservation:
m1, m50, m150, sb1, wb100, eb100, wb1, eb1,
Please choose seats to remove.
For Example: eb66, eb67, eb68, eb69, eb70, eb71, eb72
To Not Cancel Seats, Type "Done".
Selection: done
[R]eserve [V]iew [C]ancel [O]ut
Select Option (R, V, C, O): C
Modifying/Cancelling Reservation
(1) 12-23-2020 18:30
(2) 12-23-2020 18:30
(3) 12-26-2020 20:30
```

Screen 9 – View Reservations by Date

```
Select Option (R, V, C, O): V
Reservations for user: admin:
Confirmation Code:
Reservation not Confirmed
admin
12-23-2020 18:30
Number of seats reserved:
8
Seats Reserved:
m1, m50, m150, sb1, wb100, eb100, wb1, eb1,

Confirmation Code:
Reservation not Confirmed
admin
12-23-2020 18:30
Number of seats reserved:
2
Seats Reserved:
eb90, wb85,

Confirmation Code:
Reservation not Confirmed
admin
12-26-2020 20:30
Number of seats reserved:
5
Seats Reserved:
sb9, eb100, m150, wb10, m36,
```

Screen 10 – View All Reservations (I created one between screen 9 and screen 10)

```
Confirmation Code:
Reservation not Confirmed
admin
12-23-2020 18:30
Number of seats reserved:
8
Seats Reserved:
m1, m50, m150, sb1, wb100, eb100, wb1, eb1,

Confirmation Code:
Reservation not Confirmed
admin
12-23-2020 18:30
Number of seats reserved:
2
Seats Reserved:
eb90, wb85,

Confirmation Code:
Reservation not Confirmed
admin
12-26-2020 20:30
Number of seats reserved:
5
Seats Reserved:
sb9, eb100, m150, wb10, m36,

Confirmation Code:
Reservation not Confirmed
admin
01-01-2021 20:30
Number of seats reserved:
7
Seats Reserved:
m88, m89, m90, wb12, wb13, eb35, eb36,
```

```
-----  
Receipt for Reservation:  
Confirmation Code:  
admin-2  
admin  
12-26-2020 20:30  
Number of seats reserved:  
5  
Seats Reserved:  
sb9, eb100, m150, wb10, m36,  
Cost of Reservation:  
Discount applied: Discount Night Promotion  
Main Floor Left : 1 x $20.0 = $20.0  
Main Floor Center : 1 x $20.0 = $20.0  
South Balcony Upper : 1 x $20.0 = $20.0  
East Balcony : 1 x $20.0 = $20.0  
West Balcony : 1 x $20.0 = $20.0  
Grand Total: $210.0  
-----  
-----  
Receipt for Reservation:  
Confirmation Code:  
admin-3  
admin  
12-23-2020 18:30  
Number of seats reserved:  
2  
Seats Reserved:  
eb90, wb85,  
Cost of Reservation:  
East Balcony : 1 x $40.0 = $40.0  
West Balcony : 1 x $40.0 = $40.0  
Grand Total: $80.0
```

Screen 11 – Sign Out, Show Receipt

```
[R]eserve    [V]iew    [C]ancel    [O]ut  
Select Option (R, V, C, O): 0  
-----  
Receipt for Reservation:  
Confirmation Code:  
admin-1  
admin  
12-23-2020 18:30  
Number of seats reserved:  
8  
Seats Reserved:  
m1, m50, m150, sb1, wb100, eb100, wb1, eb1,  
Cost of Reservation:  
Discount applied: Group Discount  
Main Floor Left : 2 x $33.0 = $66.0  
Main Floor Center : 1 x $43.0 = $43.0  
South Balcony Upper : 1 x $48.0 = $48.0  
East Balcony : 2 x $38.0 = $76.0  
West Balcony : 2 x $38.0 = $76.0  
Grand Total: $325.0  
-----  
-----  
Receipt for Reservation:  
Confirmation Code:  
admin-2  
admin  
12-26-2020 20:30  
Number of seats reserved:  
5
```

```
Receipt for Reservation:
Confirmation Code:
admin-3
admin
12-23-2020 18:30
Number of seats reserved:
2
Seats Reserved:
eb90, wb85,
Cost of Reservation:
East Balcony : 1 x $40.0 = $40.0
West Balcony : 1 x $40.0 = $40.0
Grand Total: $80.0
-----
-----
Receipt for Reservation:
Confirmation Code:
admin-4
admin
01-01-2021 20:30
Number of seats reserved:
7
Seats Reserved:
m88, m89, m90, wb12, wb13, eb35, eb36,
Cost of Reservation:
Discount applied: Group Discount
Main Floor Right : 3 x $33.0 = $99.0
East Balcony : 2 x $38.0 = $76.0
West Balcony : 2 x $38.0 = $76.0
Grand Total: $265.0
-----

Signing out user: admin
Sign [U]p   Sign [I]n   E[X]it
Select Option (U, I, X):
```

Screen 12 – New User, Reserve 3 Seats, view Reservation, Show Receipt

```
Signing out user: admin
Sign [U]p   Sign [I]n   E[X]it
Select Option (U, I, X): U
New User Registration:
Username: adminstrator
Password: pass
New User successfully registered. Please sign in with newly created credentials.
Sign [U]p   Sign [I]n   E[X]it
Select Option (U, I, X): I
Username: adminstrator
Password: pass
Logged in as: adminstrator
[R]eserve   [V]iew   [C]ancel   [O]ut
Select Option (R, V, C, O):
```

eb77, eb78, eb79, eb80, eb81, eb82, eb83, eb84, eb85, eb86, eb87, eb88, eb89, eb90, eb91, eb92, eb93, eb94, eb95, eb96, eb97, eb98, eb99, eb100

Pick your seats. Type seats with commas and spaces exactly as shown.

For Example: eb66, eb67, eb68, eb69, eb70, eb71, eb72

To Exit Seat Selection, Type "Done".

Seat Selection: *m83, sb50, wb100*

Available Seats:

Main Floor:

m1, m2, m3, m4, m5, m6, m7, m8, m9, m10, m11, m12, m13, m14, m15, m16, m17, m18, m19, m20, m21, m22, m23, m24, m25, m26,
m27, m28, m29, m30, m31, m32, m33, m34, m35, m36, m37, m38, m39, m40, m41, m42, m43, m44, m45, m46, m47, m48, m49, m50
m51, m52, m53, m54, m55, m56, m57, m58, m59, m60, m61, m62, m63, m64, m65, m66, m67, m68, m69, m70, m71, m72, m73, m74, m75, m76,
m77, m78, m79, m80, m81, m82, m84, m85, m86, m87, m88, m89, m90, m91, m92, m93, m94, m95, m96, m97, m98, m99, m100
m101, m102, m103, m104, m105, m106, m107, m108, m109, m110, m111, m112, m113, m114, m115, m116, m117, m118, m119, m120, m121, m122, m123, m124, m125, m126,
m127, m128, m129, m130, m131, m132, m133, m134, m135, m136, m137, m138, m139, m140, m141, m142, m143, m144, m145, m146, m147, m148, m149, m150

South Balcony:

sb1, sb2, sb3, sb4, sb5, sb6, sb7, sb8, sb9, sb10, sb11, sb12, sb13, sb14, sb15, sb16, sb17, sb18, sb19, sb20, sb21, sb22, sb23, sb24, sb25
sb26, sb27, sb28, sb29, sb30, sb31, sb32, sb33, sb34, sb35, sb36, sb37, sb38, sb39, sb40, sb41, sb42, sb43, sb44, sb45, sb46, sb47, sb48, sb49,

West Balcony:

wb1, wb2, wb3, wb4, wb5, wb6, wb7, wb8, wb9, wb10, wb11, wb12, wb13, wb14, wb15, wb16, wb17, wb18, wb19, wb20, wb21, wb22, wb23, wb24, wb25, wb26,
wb27, wb28, wb29, wb30, wb31, wb32, wb33, wb34, wb35, wb36, wb37, wb38, wb39, wb40, wb41, wb42, wb43, wb44, wb45, wb46, wb47, wb48, wb49, wb50, wb51,
wb52, wb53, wb54, wb55, wb56, wb57, wb58, wb59, wb60, wb61, wb62, wb63, wb64, wb65, wb66, wb67, wb68, wb69, wb70, wb71, wb72, wb73, wb74, wb75, wb76,
wb77, wb78, wb79, wb80, wb81, wb82, wb83, wb84, wb85, wb86, wb87, wb88, wb89, wb90, wb91, wb92, wb93, wb94, wb95, wb96, wb97, wb98, wb99,

East Balcony:

eb1, eb2, eb3, eb4, eb5, eb6, eb7, eb8, eb9, eb10, eb11, eb12, eb13, eb14, eb15, eb16, eb17, eb18, eb19, eb20, eb21, eb22, eb23, eb24, eb25, eb26,
eb27, eb28, eb29, eb30, eb31, eb32, eb33, eb34, eb35, eb36, eb37, eb38, eb39, eb40, eb41, eb42, eb43, eb44, eb45, eb46, eb47, eb48, eb49, eb50, eb51,
eb52, eb53, eb54, eb55, eb56, eb57, eb58, eb59, eb60, eb61, eb62, eb63, eb64, eb65, eb66, eb67, eb68, eb69, eb70, eb71, eb72, eb73, eb74, eb75, eb76,
eb77, eb78, eb79, eb80, eb81, eb82, eb83, eb84, eb85, eb86, eb87, eb88, eb89, eb90, eb91, eb92, eb93, eb94, eb95, eb96, eb97, eb98, eb99, eb100

Pick your seats. Type seats with commas and spaces exactly as shown.

For Example: eb66, eb67, eb68, eb69, eb70, eb71, eb72

To Exit Seat Selection, Type "Done".

Seat Selection:

```
Reservations for user: adminstrator:
Confirmation Code:
Reservation not Confirmed
adminstrator
01-02-2021 20:30
Number of seats reserved:
3
Seats Reserved:
m83, sb50, wb100,
```

```
[R]eserve  [V]iew  [C]ancel  [O]ut
Select Option (R, V, C, O): 0
-----
Receipt for Reservation:
Confirmation Code:
adminstrator-1
adminstrator
01-02-2021 20:30
Number of seats reserved:
3
Seats Reserved:
m83, sb50, wb100,
Cost of Reservation:
Main Floor Right : 1 x $35.0 = $35.0
South Balcony Lower : 1 x $55.0 = $55.0
West Balcony : 1 x $40.0 = $40.0
Grand Total: $130.0
-----
Signing out user: adminstrator
Sign [U]p  Sign [I]n  E[X]it
Select Option (U, I, X):
```

Screen 13 – Exit, Show reservation.txt file

```
Signing out user: adminstrator
Sign [U]p  Sign [I]n  E[X]it
Select Option (U, I, X): X

Process finished with exit code 0
```

```
1 newReservation
2 Confirmation Code:
3 admin-1
4 admin
5 12-23-2020 18:30
6 Number of seats reserved:
7 8
8 Seats Reserved:
9 m1, m50, m150, sb1, wb100, eb100, wb1, eb1,
10 endReservation
11 newReservation
12 Confirmation Code:
13 admin-2
14 admin
15 12-26-2020 20:30
16 Number of seats reserved:
17 5
18 Seats Reserved:
19 sb9, eb100, m150, wb10, m36,
20 endReservation
21 newReservation
22 Confirmation Code:
23 admin-3
24 admin
25 12-23-2020 18:30
26 Number of seats reserved:
27 2
28 Seats Reserved:
29 eb90, wb85,
30 endReservation
31 newReservation
32 Confirmation Code:
33 admin-4
34 admin
35 01-01-2021 20:30
36 Number of seats reserved:
37 7
38 Seats Reserved:
39 m88, m89, m90, wb12, wb13, eb35, eb36,
40 endReservation
41 newReservation
42 Confirmation Code:
43 administrator-1

32 Confirmation Code:
33 admin-4
34 admin
35 01-01-2021 20:30
36 Number of seats reserved:
37 7
38 Seats Reserved:
39 m88, m89, m90, wb12, wb13, eb35, eb36,
40 endReservation
41 newReservation
42 Confirmation Code:
43 administrator-1
44 administrator
45 01-02-2021 20:30
46 Number of seats reserved:
47 3
48 Seats Reserved:
49 m83, sb50, wb100,
50 endReservation
51
```