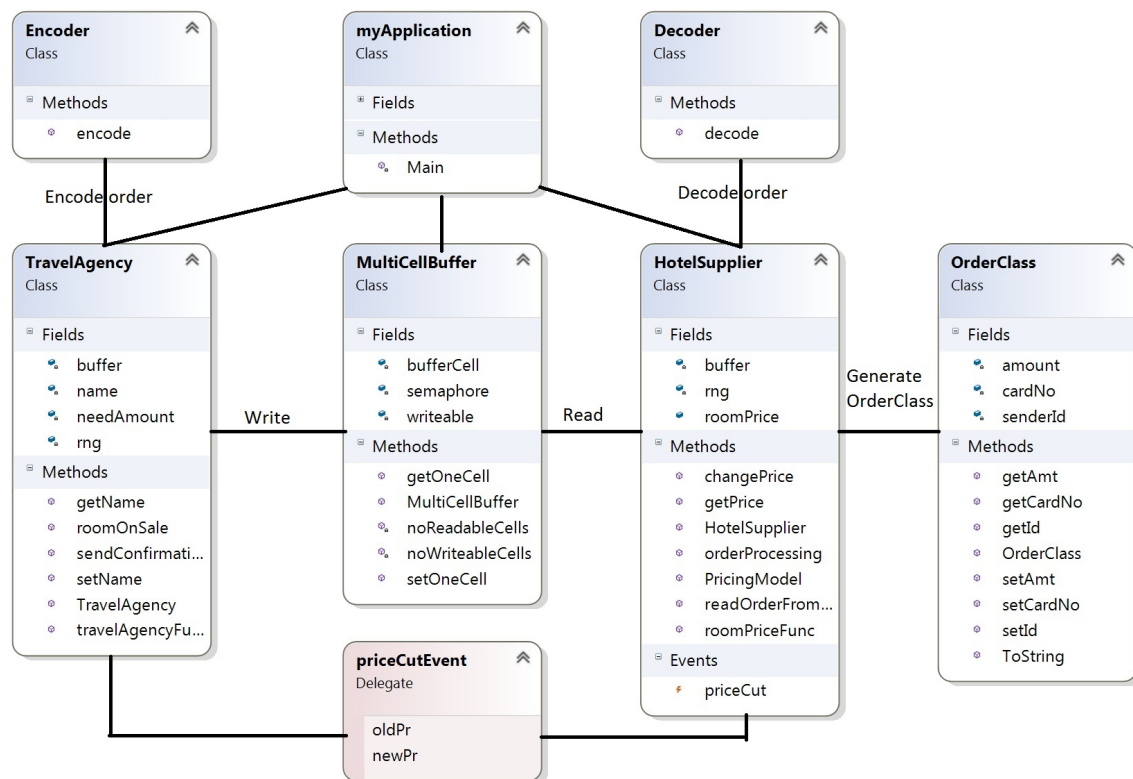


CSE598 Assignment2 User Manual:

Developer name: Ersi Zha

Development environment: Visual Studio 2012

Class diagram:



Screenshot:

```
C:\Windows\system32\cmd.exe
New room price is 299
Agency1 rooms are on sale: as low as $299 each
Agency1 is writing the order to buffer and order information:SenderId:1 CardNumber:5837 Amount:14
HotelSupplier has read the order from buffer and the order is under processing
*****
Congratulations!The order is completed and the order information is:SenderId:1 CardNumber:5837 Amount:14 The total charge is:4507.94
*****

Agency2 rooms are on sale: as low as $299 each
Agency2 is writing the order to buffer and order information:SenderId:2 CardNumber:7392 Amount:12
HotelSupplier has read the order from buffer and the order is under processing
*****
Congratulations!The order is completed and the order information is:SenderId:2 CardNumber:7392 Amount:12 The total charge is:3865.09
*****

Agency3 rooms are on sale: as low as $299 each
Agency3 is writing the order to buffer and order information:SenderId:3 CardNumber:5232 Amount:15
HotelSupplier has read the order from buffer and the order is under processing
*****
Congratulations!The order is completed and the order information is:SenderId:3 CardNumber:5232 Amount:15 The total charge is:4829.365
*****

New room price is 170
Agency1 rooms are on sale: as low as $170 each
Agency1 is writing the order to buffer and order information:SenderId:1 CardNumber:4297 Amount:13
HotelSupplier has read the order from buffer and the order is under processing
*****
Sorry!the order is not completed because of invalid credit card number
*****

Agency2 rooms are on sale: as low as $170 each
Agency2 is writing the order to buffer and order information:SenderId:2 CardNumber:6891 Amount:21
HotelSupplier has read the order from buffer and the order is under processing
*****
Congratulations!The order is completed and the order information is:SenderId:2 CardNumber:6891 Amount:21 The total charge is:3845.74
*****

Agency3 rooms are on sale: as low as $170 each
Agency3 is writing the order to buffer and order information:SenderId:3 CardNumber:7202 Amount:15
HotelSupplier has read the order from buffer and the order is under processing
*****
Congratulations!The order is completed and the order information is:SenderId:3 CardNumber:7202 Amount:15 The total charge is:2749.24
*****
```

```
New room price is 389
New room price is 375
Agency1 rooms are on sale: as low as $375 each
Agency1 is writing the order to buffer and order information:SenderId:1 CardNumber:5775 Amount:5
HotelSupplier has read the order from buffer and the order is under processing
*****
Congratulations!The order is completed and the order information is:SenderId:1 CardNumber:5775 Amount:5 The total charge is:2023.615
*****

Agency2 rooms are on sale: as low as $375 each
Agency2 is writing the order to buffer and order information:SenderId:2 CardNumber:7999 Amount:5
HotelSupplier has read the order from buffer and the order is under processing
*****
Congratulations!The order is completed and the order information is:SenderId:2 CardNumber:7999 Amount:5 The total charge is:2023.615
*****

Agency3 rooms are on sale: as low as $375 each
Agency3 is writing the order to buffer and order information:SenderId:3 CardNumber:7636 Amount:10
HotelSupplier has read the order from buffer and the order is under processing
*****
Congratulations!The order is completed and the order information is:SenderId:3 CardNumber:7636 Amount:10 The total charge is:4039.24
*****

New room price is 483
New room price is 110
Agency1 rooms are on sale: as low as $110 each
Agency1 is writing the order to buffer and order information:SenderId:1 CardNumber:7396 Amount:41
HotelSupplier has read the order from buffer and the order is under processing
*****
Congratulations!The order is completed and the order information is:SenderId:1 CardNumber:7396 Amount:41 The total charge is:4856.24
*****

Agency2 rooms are on sale: as low as $110 each
Agency2 is writing the order to buffer and order information:SenderId:2 CardNumber:5501 Amount:41
HotelSupplier has read the order from buffer and the order is under processing
*****
Congratulations!The order is completed and the order information is:SenderId:2 CardNumber:5501 Amount:41 The total charge is:4856.24
*****

Agency3 rooms are on sale: as low as $110 each
Agency3 is writing the order to buffer and order information:SenderId:3 CardNumber:8497 Amount:46
HotelSupplier has read the order from buffer and the order is under processing
*****
Sorry!the order is not completed because of invalid credit card number
*****

Press any key to continue . . .

New room price is 255
New room price is 246
Agency1 rooms are on sale: as low as $246 each
Agency1 is writing the order to buffer and order information:SenderId:1 CardNumber:5669 Amount:8
HotelSupplier has read the order from buffer and the order is under processing
*****
Congratulations!The order is completed and the order information is:SenderId:1 CardNumber:5669 Amount:8 The total charge is:2123.59
*****

Agency2 rooms are on sale: as low as $246 each
Agency2 is writing the order to buffer and order information:SenderId:2 CardNumber:5675 Amount:6
HotelSupplier has read the order from buffer and the order is under processing
*****
Congratulations!The order is completed and the order information is:SenderId:2 CardNumber:5675 Amount:6 The total charge is:1594.69
*****

Agency3 rooms are on sale: as low as $246 each
Agency3 is writing the order to buffer and order information:SenderId:3 CardNumber:6586 Amount:6
HotelSupplier has read the order from buffer and the order is under processing
*****
Congratulations!The order is completed and the order information is:SenderId:3 CardNumber:6586 Amount:6 The total charge is:1594.69
*****

New room price is 371
New room price is 198
Agency1 rooms are on sale: as low as $198 each
Agency1 is writing the order to buffer and order information:SenderId:1 CardNumber:7638 Amount:24
HotelSupplier has read the order from buffer and the order is under processing
*****
Congratulations!The order is completed and the order information is:SenderId:1 CardNumber:7638 Amount:24 The total charge is:5116.39
*****

Agency2 rooms are on sale: as low as $198 each
Agency2 is writing the order to buffer and order information:SenderId:2 CardNumber:5948 Amount:23
HotelSupplier has read the order from buffer and the order is under processing
*****
Congratulations!The order is completed and the order information is:SenderId:2 CardNumber:5948 Amount:23 The total charge is:4903.54
*****

Agency3 rooms are on sale: as low as $198 each
Agency3 is writing the order to buffer and order information:SenderId:3 CardNumber:7399 Amount:25
HotelSupplier has read the order from buffer and the order is under processing
*****
Congratulations!The order is completed and the order information is:SenderId:3 CardNumber:7399 Amount:25 The total charge is:5329.24
*****
```