APPD Assignment 1 Proposal V2

Proposed to:

Mr Tan Hu Shien

Singapore Polytechnic

By
Class: DIT/FT/1A/23

Team Members(Student ID):

Francis Yeo Zhao Yik (1625950)
ZHAO FENGYE (1651449)

Submission Date: 17 Nov 2016
Word count: 232

Objectives

Booking of houses for rental to let landlords to rent their houses for a short period of time to tourists.
Users can login into the system to book the houses.
The scheduling system will be based on days and not hours.

List of candidate class

Resource Class:

Rooms of how people can book. List of rooms that users can select from browsing the index.
Properties: Rent Period, Region. Price, BedCount, FullAddress, PostalCode, ResourceId(Primary Key)
Methods: Dont have

Unit: Aircon(int), UnitID, RoomCount, House size, Facilities

Room: Aircon(boolean), RoomID, Room size

Cart Class:

People select which rooms they want to book, like reserve/shortlist the rooms?
Properties: List<CartitemList>
Methods: Compute total amount, Remove cart item, add cart item, Remove all items

Transaction Xaml Class:

Booking Class where people book rooms.
Properties: From Resource Class
Methods: Calls clear all cart items

(Suggested Classes)

Login Class:

Verify user input match with the info inside database, and provide user ID variable
Properties:Email,Password
Methods: CheckAgainstDatabase

Retrieve Class:

Get other user information after success login
Properties: ContactNo, FirstName, LastName, Email,Password, Birthdate, AcceptContract, CreditNo ,CVC, Expiredate
Methods: Retrieve from database

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20 removals
8 additions
Expires in an hour.

Original (left):

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1.  ST1011 Application Development
2.
3.  APPD Assignment 1 Proposal
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16.
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19.
20. Objectives
21. Booking of houses for rental to let landlords to rent their houses for a sh
    ort period of time to tourists.
22. Users can login into the system to book the houses while landlords(hosts) c
    an login into the system to 'upload' their houses there.
23. There will be an index section where users can search for a house based on
    certain criteria in listed in the search engine.
24. The scheduling system will be based on days and not hours.
25. The payment will be done via third party payment solution called Braintree
    payments (PayPal company).
26. List of candidate class
27. Resource Class:
28. Rooms of how people can book. List of rooms that users can select from brow
    sing the index.
29. Properties: Rent Period, Region. Price, BedCount, FullAddress, PostalCode,
    Description, NearbyFood, NearbyShopping, Picture(Picture ID(Stored on hard
    drive)), HouseID(Primary Key), House availability(boolean), Nearest MRT.
30. Methods: Return Values when houseID input.
31.
32. Unit: Aircon(int), UnitID, RoomCount, House size, Facilities
33.
34. Room: Aircon(boolean), RoomID, Room size
35. Cart Class:
36. People select which rooms they want to book, like reserve/shortlist the roo
    ms?
37. Properties: List<CartitemList>
38. Methods: Compute total amount, Remove cart item, add cart item

39. Booking Class:
40. Booking Class where people book rooms.
41. Properties: Date, Price, OrderID, CreditNo ,CVC, Expiredate, HouseID,
42. Methods: Send confirmation email, Transaction via PayPal, Set House Availab
    ility
43.
44. (Suggested Classes)
45. Search Engine Class:
46. Properties: User Search Inputs: Rent, Period, Region, Price, RoomCount, Bed
    Count
47. Methods: Find in database, Return result to user, Read User Input
48. Resource input class:
49. Retrieve info from user input about new rooms and places into the database
50. Properties: Rent Period, Region. Price, RoomCount, BedCount, FullAddress, P
    ostalCode, Description, NearbyFood, NearbyShopping, Picture(Picture ID(Stor
    ed on hard drive)), HouseID(Primary Key)
51. Methods: getUserInput, insert into database.
52. Register Class:
53. Put info from user input into database
54. Properties: ContactNo, FirstName, LastName, Email,Password, Birthday, Acce
    ptContract, CreditNo ,CVC, Expiredate
55. Methods: Input to database, CheckPrimaryKey, Send confirmation email
56. Login Class:
57. Verify user input match with the info inside database, and provide user ID
    variable
58. Properties:Email,Password
59. Methods: CheckAgainstDatabase
60. Retrieve Class:
61. Get other user information after success login
62. Properties: ContactNo, FirstName, LastName, Email,Password, Birthday, Acce
    ptContract, CreditNo ,CVC, Expiredate
63. Methods: Retrieve from database
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Changed (right):

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42. (Suggested Classes)

















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Bottom editors:

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Find Difference!