My interview: Task of Mydeal (2017-05-31)

1. **Structure and Tecnologies:**
   a. **Back-end:**
   I made a project (MyTask.WebAPI) to work with back-end side. And I used WebApi to develop back-end system. They have two methods:

   -Http://...../api/pnl/getList : mapping with "getList" function. This method gets all data from Locator and Passenger
   -Http://……/api/pnl (put): mapping with "put" function. This method receives data from client (in add new booking function and add passenger to booking)

   b. **Front-end:**
   I made a project (MyTask.Web) to build front-end side. About technology .NET MVC to render website to the client. Then angularJS will be used to build all functions at Front-end side.

   c. **Web Design:**

   I used "altair-admin-material-design-uikit-template" which I bought at Themeforest (Certificate file is attached in folder). And I have edited a lot to fit the requirements of the project.

   I used HTML, CSS, JQUERY, ANGULAR, UIKIT framework for this project.

2. **Setting:**
   a. I wrote a config file to setup the website. File address:
      MyTask.Web/js/config.js. We must change value of "`var UrlAPI = "http://localhost:3517/"`;": **This is the address of WebAPI server.**
   b. And I have data file at: MyTask.WebAPI/App_Data/data.csv. This is data from MyDeal's requirement.

3. **Solutions**
   a. **Read and write csv file**
      I used stream to read and write data with that file and stored data in objects. I do not use Enity Framework or LINQ because EF should be based on database. Moreover, the data in this project has small structure. If you want to upgrade, **I will change to Enity Framework**
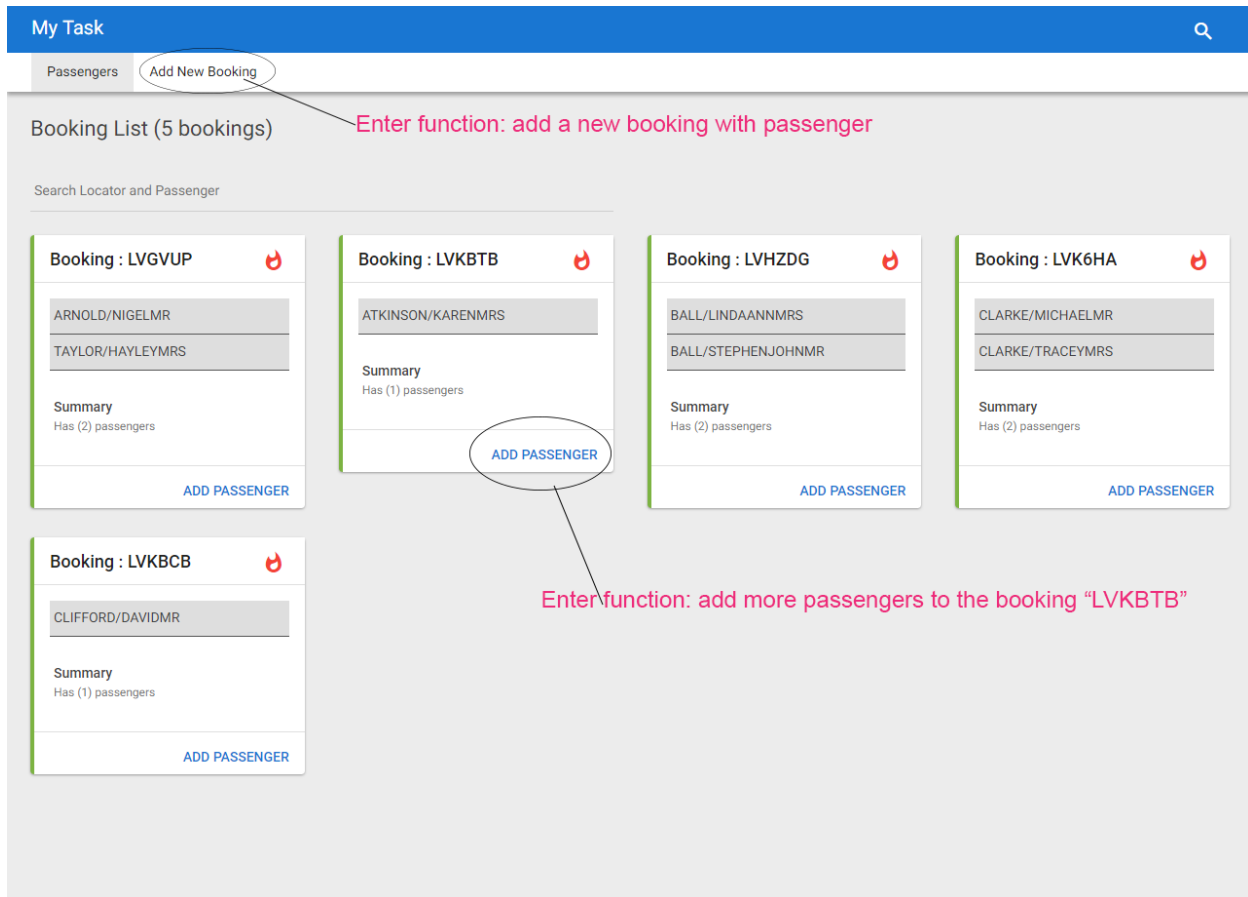   b. **At front-end side: get data from webapi:**
      I have used the features of the angularJs to write the functions

4. **Functions and screens in projects**
   a. **Show Locator and Passenger List**
      i. **URL: http://..../ (at root url)**
      ii. **Screen: (home screen)**

My Task   🔍

Passengers   (Add New Booking)

Booking List (5 bookings)   Enter function: add a new booking with passenger

Search Locator and Passenger

Booking : LVGVUP 🔥

ARNOLD/NIGELMR

TAYLOR/HAYLEYMRS

Summary
Has (2) passengers

ADD PASSENGER

Booking : LVKBTB 🔥

ATKINSON/KARENMRS

Summary
Has (1) passengers

ADD PASSENGER

Booking : LVHZDG 🔥

BALL/LINDAANNMRS

BALL/STEPHENJOHNMR

Summary
Has (2) passengers

ADD PASSENGER

Booking : LVK6HA 🔥

CLARKE/MICHAELMR

CLARKE/TRACEYMRS

Summary
Has (2) passengers

ADD PASSENGER

Enter function: add more passengers to the booking "LVKBTB"

Booking : LVKBCB 🔥

CLIFFORD/DAVIDMR

Summary
Has (1) passengers

ADD PASSENGER

   b. **Search Locator and Passenger :** wild card search with data: name of locator and name of passenger
      iii. **URL: http://..../ (at root url)**
      iv. **Screen: (home screen)**

Passengers   Add New Booking

Booking List (5 bookings)

Search Locator and Passenger
MRS

Booking : LVGVUP

ARNOLD/NIGELMR

TAYLOR/HAYLEYMRS

Summary
Has (2) passengers

ADD PASSENGER

Booking : LVKBTB

ATKINSON/KARENMRS

Summary
Has (1) passengers

ADD PASSENGER

Booking : LVHZDG

BALL/LINDAANNMRS

BALL/STEPHENJOHNMR

Summary
Has (2) passengers

ADD PASSENGER

Booking : LVK6HA

CLARKE/MICHAELMR

CLARKE/TRACEYMRS

Summary
Has (2) passengers

ADD PASSENGER

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c. Add more passengers to booking: (has validate input)

    v.   URL: http://..../edit?id=....

    vi. Screen: (edit screen)

My Task

↶ Back

✎

Add new passenger into booking: LVGVUP

Locator
LVGVUP

* If you change locator's name, the passenger will be added to new booking.

Passenger Name
PhaLUUMR

+ ADD

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d. Add new booking with passenger : (has validate input)

    vii. URL: http://..../add

    viii. Screen: (add screen

Add new booking

Locator
LQSDFF

Passenger Name
PHALUUMR

+ ADD

Add new booking

Locator
ABC

The length must 6 characters.

Passenger Name
Ph

This field is too short.

+ ADD

Thank you for reading.
If you give me change, I will try my best to work.
Pha Luu