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# DSH for Travel and Turism

## Description

DSH offers the ability to display cities information and you can reserve hotels/flights online easily. You should charge a credit in your app account and then you can reserve your flight/hotel directly and quickly (no nessessary to enter your credit card information in every time you do a reservation). Also you can do an offer reservation which that include a full package of reservation (round flights and hotels reservation) with special offers.

**NOTE: (The Full package Offers it will be an optional task Depending on the remaining time)**

## Additional: DSH Use cases:



## Intended User

DSH is intended for travelers who want an easy and fast way to do their reservations and want a best prices and offers

## Features

- DSH save your reservation locally which that mean you can display your confirmed reservation offline.
- DSH Available in Arabic and English.
- DSH use google map for hotel locations.
- DSH provide easy way to call hotel by just click.
- DSH support ads.
- You can display the hotels rates and also you can add a rate for hotel.

## User Interface Mocks



Register

انشاء حساب

الاسم الأول

الكنية

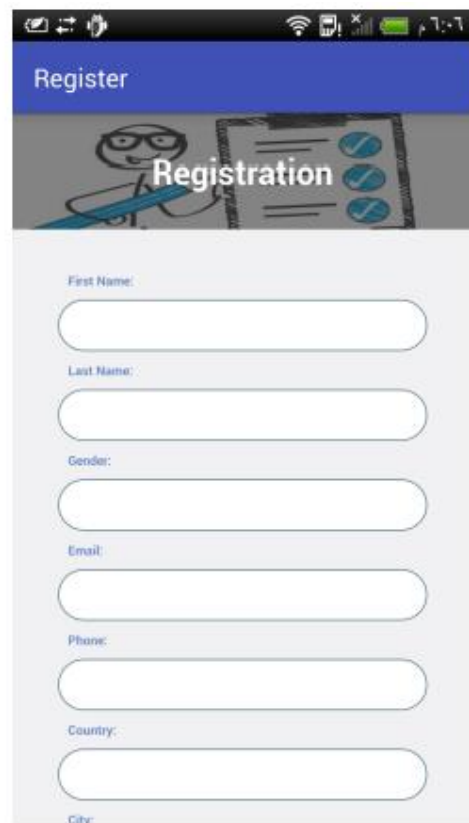
الجنس

البريد الإلكتروني

رقم الهاتف

الدولة

المدينة



Register

Registration

First Name:

Last Name:

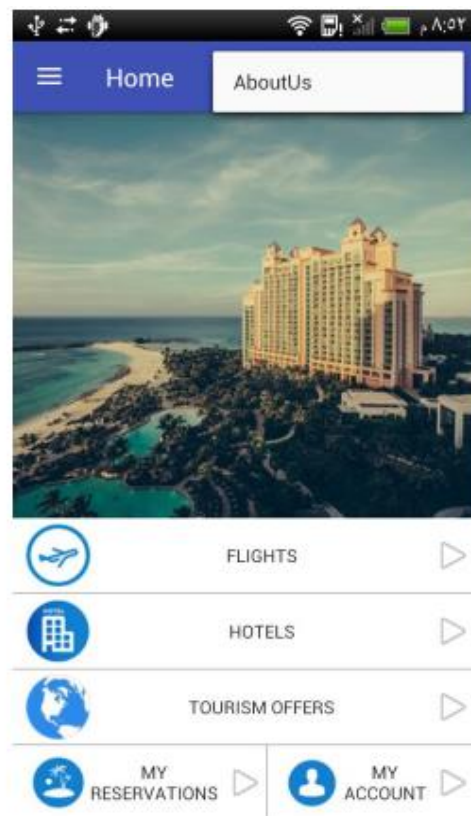
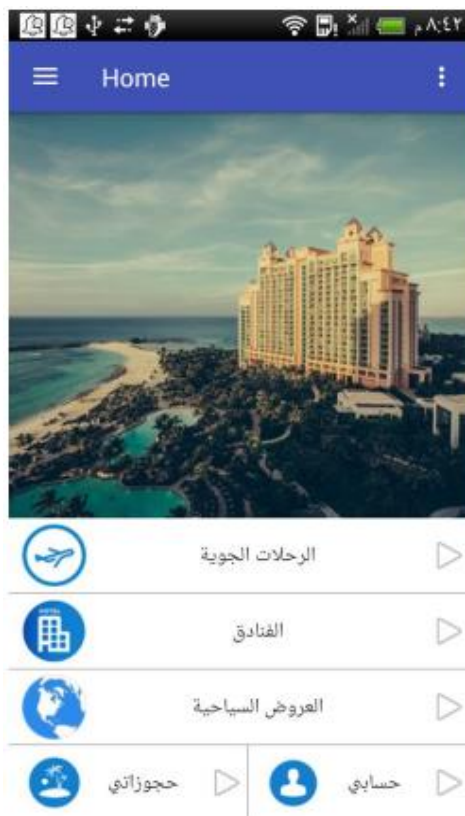
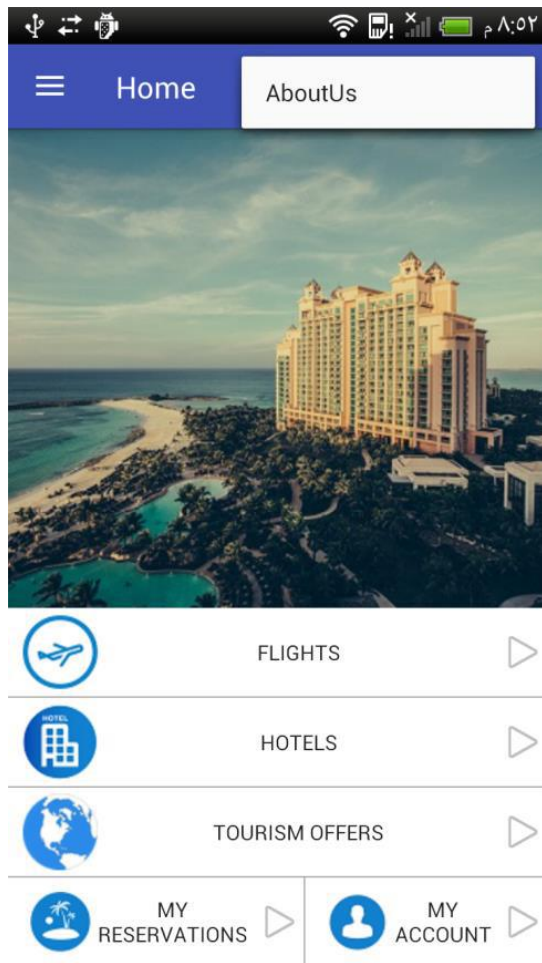
Gender:

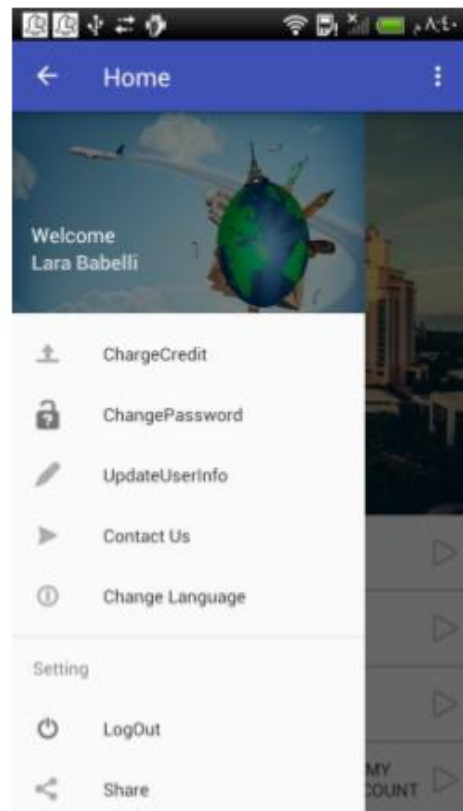
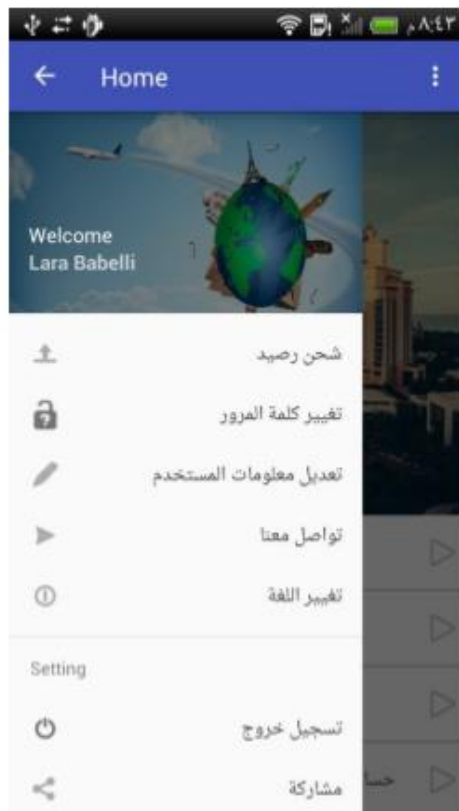
Email:

Phone:

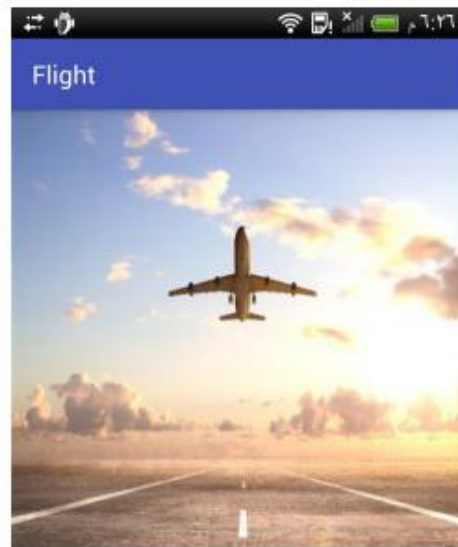
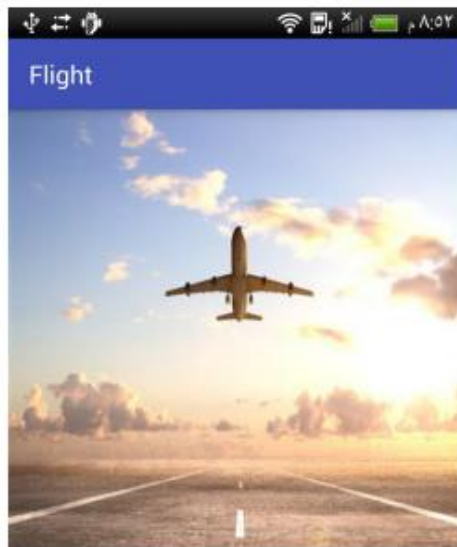
Country:

City:





This screenshot shows the 'Charge Credit' screen. The header bar is blue with a back arrow and the text 'Charge cridet'. Below the header is a banner image of several credit cards. The form contains the following fields and controls: 'Credit card type:' with a dropdown menu showing 'Visa'; 'Name on card' with a text input field; 'Card number' with a text input field; '(CVC)' with a text input field; 'Card expiration date' with a date picker showing '01' and '2017'; and 'New Credit:' with a text input field. At the bottom is a blue button labeled 'SUBMIT CHARGE'.



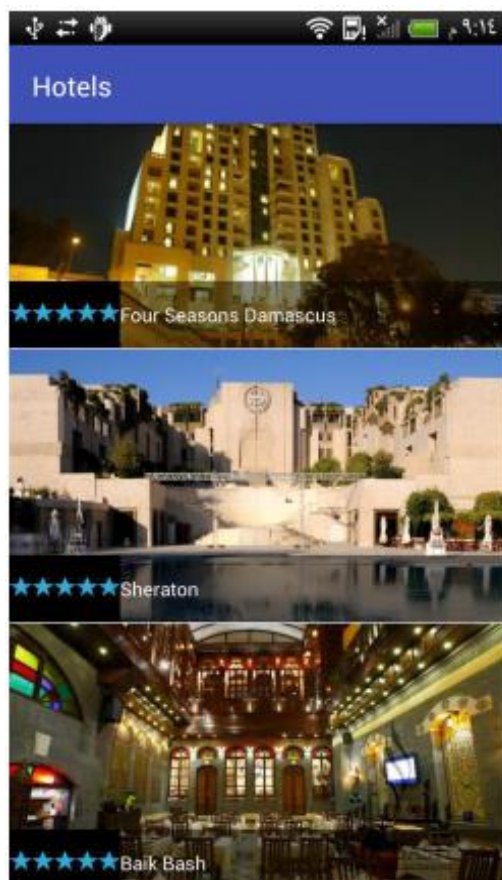
Search your Flight

From:  To:

Date:










Hotel Rooms

Four Seasons Damascus Rooms:

Room Name: Room - 3  
Room Type: Room  
Customer Number: 3



Details in English: TV.  
Wi-Fi.  
Air Conditioning.  
Bathroom.

Night Price: 150\$

Reserve

Room Name: Room - 4

DSH Tourism

HOTEL RESERVATION

Hotel: Four Seasons Damascus

Reference Number: 232

Reserve Type: Room    Guest Count: 3

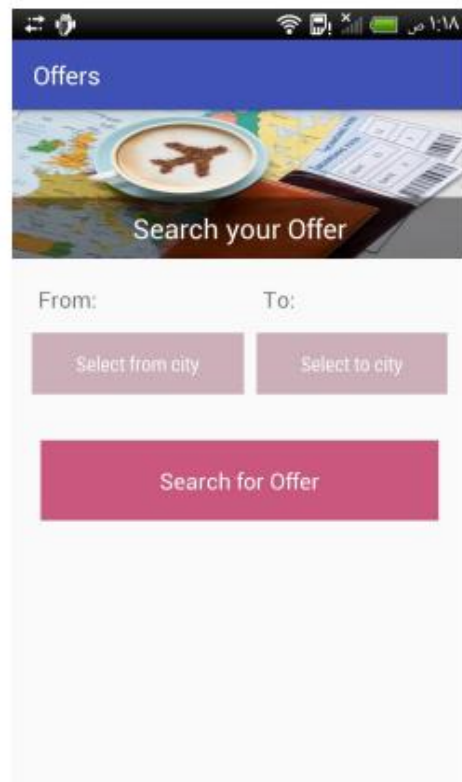
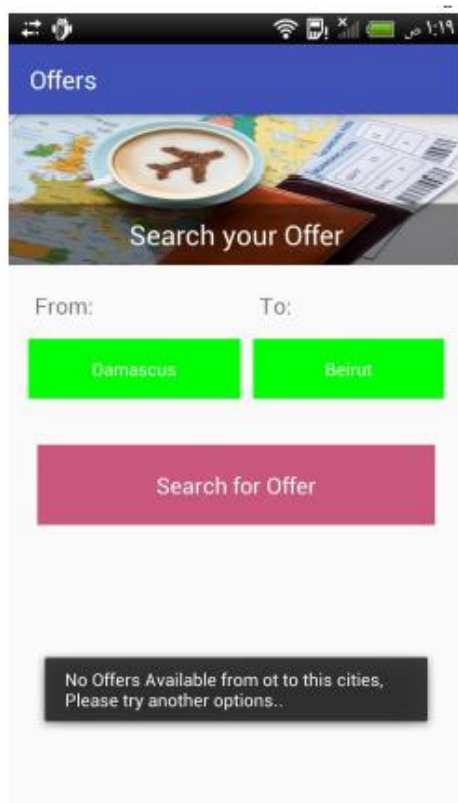
Check-In Date: 1/14/2018 12:00:00 PM

Check-Out Date: 1/15/2018 12:00:00 PM

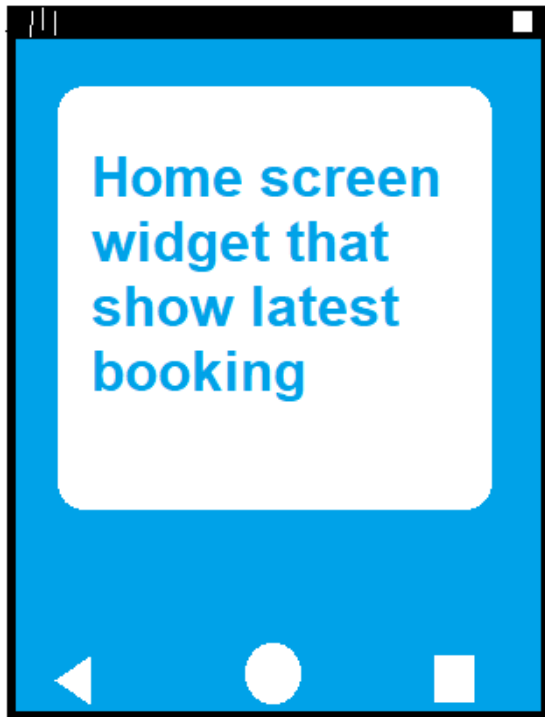
Guest Name: Lara Babelli    Reservation Cost: 150\$

Country: Syria    City: Damascus



Widget:



## Key Considerations

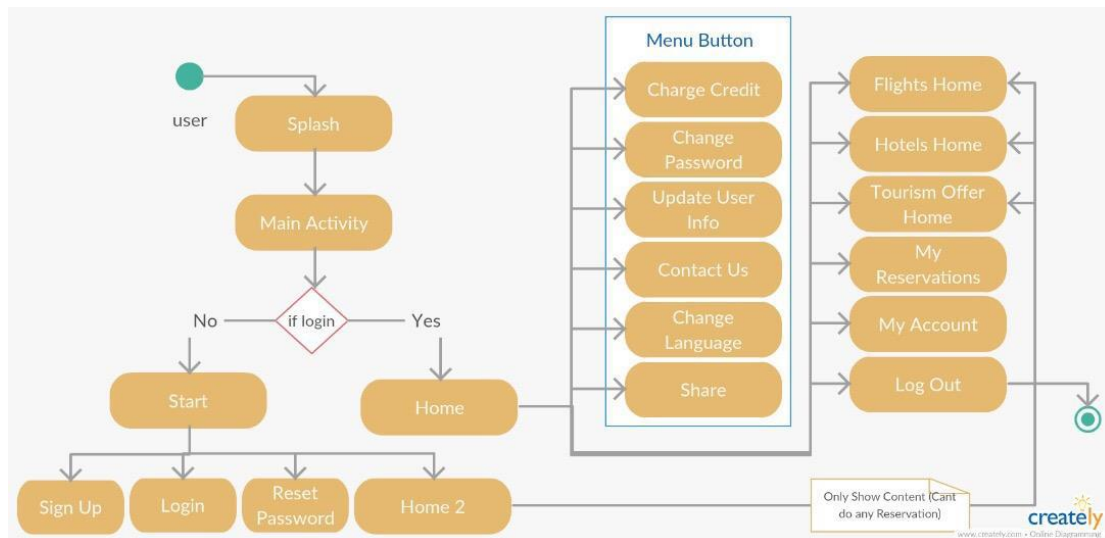
How will your app handle data persistence?

DSH use SQLite database with content provider

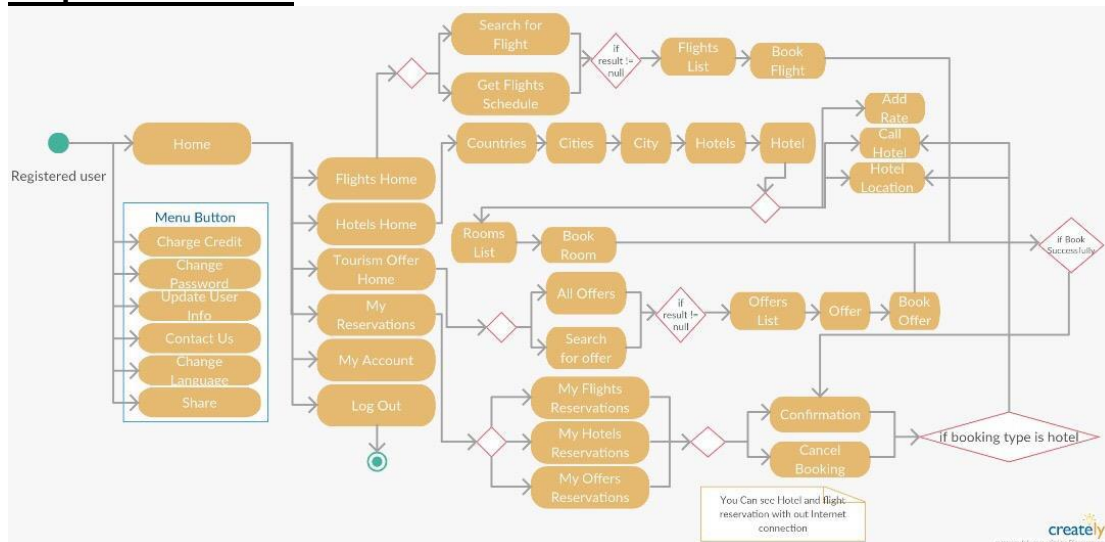
Describe any edge or corner cases in the UX.

**This is a simple flow chart describe the cases in the UX**

**Simple Flow chart 1:**



**Simple Flow chart 2:**



Describe any libraries you'll be using and share your reasoning for including them.

- DSH use Picasso library to display the Images, Picasso download the image and manages it.
- DSH use Retrofit Library to fetch data from the server, this amazing library makes the life of the developer much easier, helping to manipulate threads.

Describe how you will implement Google Play Services or other external services.

- DSH use google map for hotel locations. By using ApiKey from Google and add it to Manifest and add permissions:
  1. Android.permission.INTERNET
  2. Android.permission.ACCESS\_FINE\_LOCATION
- DSH support ads. Using ad id (I will use google ads).

## Next Steps: Required Tasks

### Task 1: Project Setup

**Firstly:** App is will be in the **Java Programming Language**

**Second:**

- Configure libraries:
  1. Picasso: V 2.5.2
  2. Retrofit: V 2.3.0
  3. GSON: V 2.8.2 and converter-gson:V 2.0.2
- Build database and content provider.
- Call the Api.

### Task 2: Implement UI for Each Activity and Fragment

- Build UI for Registration and other for Login.
- Build UI for MainActivity (Home) for both (Registered user and Guest).
- Build UI for The list of countries, Cities, Hotels.
- Build UIs for complete reservation (hotel, flight and offer).
- Build UI for charge credit by adding credit card informations. (**now I will not implement the code of real charge money**).
- Build UI for display the confirmed reservations info.
- Build UI for send message to the DSH support (contact us).

Note: strings will be store in a strings.xml file and enables RTL layout switching on all layouts

### Task 3: Your Next Task

- Adding **navigation drawer** layout to easy navigation between app services
- Adding **share button** to share the DSH app experience with a friend.
- Adding **Widget** Implementation That show the lastest Reservation, and for this step I will use **IntentService** to fetch data for my app widget.
- Includes support for accessibility whith Important content descriptions and using some Important navigation with a D-pad ex: *nextFocusForward*

## Additional Section: **My project Idea story:**

**This is a copy of my conversation with my mentor Mr. Sudhir that display my project Idea:**

*Hello MR SUDHIR, Hope you are good! I want to ask you about my capstone project Firstly, I want you please if you can look to my youtube video in this link:*

<https://www.youtube.com/watch?v=xIRtNJbqGTo>

*The video is about my graduation project from my university in last year I was beginner in android track since that, I did it by very simple code.. and with Realm library for database and other beginner things.. now I have an Idea that is about develop my old app, by improve it with my new skills which I have learnd in the ND.. for example: change my database from Realm to SQLite with content provider and Adding ads and improve the UI.. ant etc...*

*what you think about it?? its a good idea or not!?*

*in addition this link is from udacity form for the google challenge student.. I was share my project with my mate to have a feedback and I really have a very useful feedbacks! which I can use it to improve my app:*

<https://discussions.udacity.com/t/share-your-project-for-student-feedback/412836/7?u=haya.akkad94>

*If you think is it a good idea please give me advices and also your feedback about my app!*

*and Thankyou for your time*

**and this is his reply:**

*Yes, it is a good idea to rebuild your app with new things that you have learned. You will still need to get it approved through the capstone 1. Realm will not be allowed as far as I can tell. Check the rubric.*

*No third party frameworks nor Persistence Libraries may be used. Realm can't be used.*

*I think it is a good idea to continue working on your app and use it for capstone. Create a new branch and make required changed for the capstone there.*

*Then you can release this app in the play store also.*