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**Mobile Training Course - Android**

**Exercise 1**

1. **Airbnb**

1. Analyzing of existing mobile app in Airbnb service

a. Why do we need this mobile app?

Because this is a new and convenient way to travel and rent house.

b. When do we use this mobile app?

When we want to travel or we want to make money from our house

c. Who use this app?

.For traveller

.For host who have room/house for rent

d. What is this app for?

This app for making a new style of travelling.

e. How does this app work?

.This app recommend traveller space to live around the world.

.And help hosts to register their house.

2. Learn and analysis functions and interfaces of applications

a. What is UI design type of this app?

.It has new material design

.And have tab layout, menu layout, linear layout (vertical)

b. How many screens has been implemented in this app?

There are 43 screens:

1.How it work screen

2.Login screen

3.Login with email

4.Sign up

5.Terms of service

6.Privacy policy

7.Help

8.List of places

9.Search screen

10.List of hotels in a place (ex: NewYork)

11.Filter screen

12.Map screen

13.Wish list (Login user only)

14.Hotel detail

15.Host info screen

16.Review detail screen

17.Similar list screen

18.Booking details

19.Inbox

20.Upcoming trips

21.Invite Friends

22.Friends list

23.Enter referral code screen

24."Why host" screen

25.List your space

26.Property type

27.Set your location

28.Set rooms and beds

29.Set title

30.Add photo

31.Add summary

32.Set price

33.Set address

34.Optional detail

35.edit photo caption

36.confirm email

37.Host home

38.Host groups screen

39.Payout

40.Calender

41.Performance

42.Listing for host

43.Setting

3. Understanding the interaction between applications and back services.

In my opinion, it connect with a back-end service to get to data of hotels/houses and it use client-server model.

1. **Instagram**

1. Understand the operation of applications

a. Why do we need this mobile app?

This app help us to share photos and videos easier.

b. When do we use this mobile app?

When we want to share photos and videos with friends.

c. Who use this app?

Anyone can use this app.

d. What is this app for?

This app is social network for sharing photos and videos.

e. How does this app work?

Users create an account or use Facebook account, to join a social network, then upload their photos, this app will show these photos to others users.

2. Learn and analysis functions and interfaces of applications

a. What is UI design type of this app?

Show screen use linear layout, and some use grid layout.

b. How many screens has been implemented in this app?

There are 29 screens:

1.Sign in

2.Register

3.Home screen

4.Follow people screen

5.people detail

6.Photo of people

7.Search by photo screen

8.Search by people

9.Gallery

10.Take photo screen

11.Record video screen

12.Edit picture screen

13.Following activity

14.Your activity

15.Your profile detail

16.Edit profile

17.Options

18.Change password

19.Posts you've like

20.Linked account

21.Notification

22.Camera setting

23.Cellular data use

24.Ads

25.Privacy policy

26.Terms of service

27.Open source Libraries

28.Comments

29.Likers

3. Understanding the interaction between applications and back services.

This app is mainly sync user with facebook account to simplify register process.

It use backend service to get and store: user info, photos, likes, comments.

It use client-server model