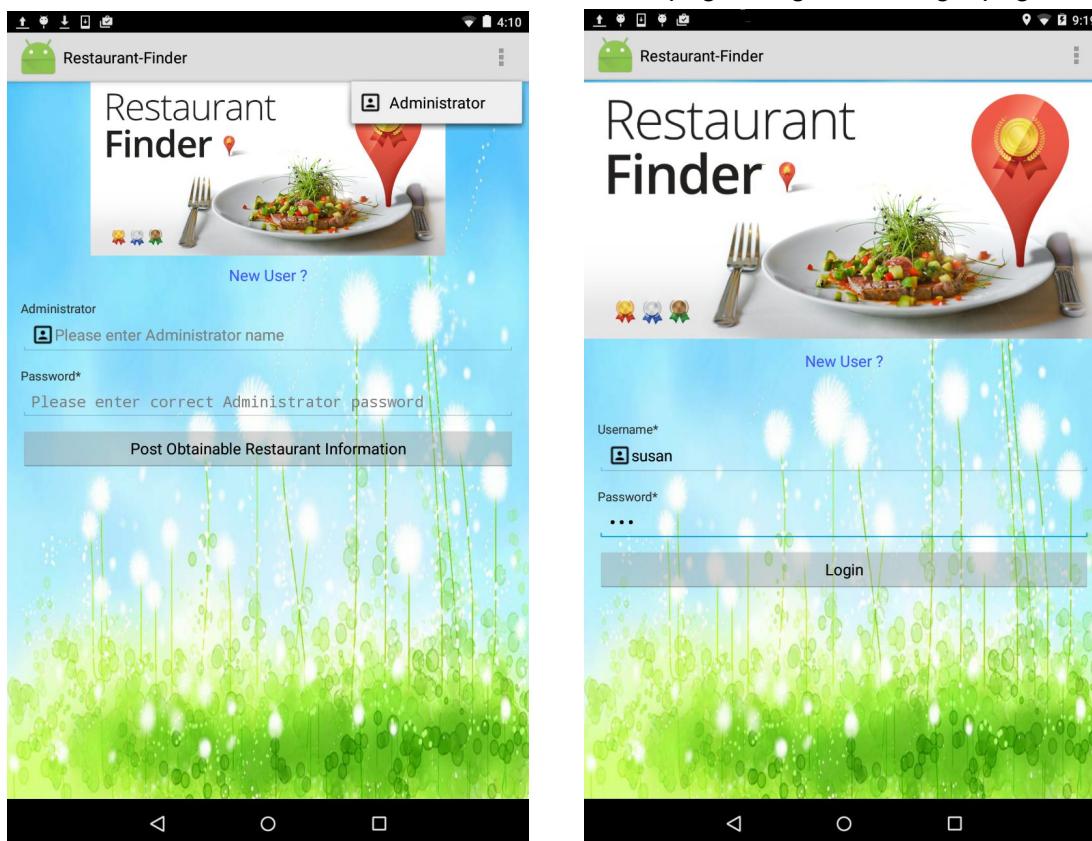


## Functional test cases:

1. Administrator test
2. Login test
3. Register test
4. Find restaurant test
  - 4.1 Find restaurant by name
  - 4.2 Find restaurant by address
  - 4.3 Find restaurant by cuisine
5. My location test
  - 5.1 Show user current location
  - 5.2 Find restaurants nearby user current location
6. My favorite list test
  - 6.1 Choose a restaurant and go to the Restaurant Host page
  - 6.2 Delete restaurants from my favorite list
7. Photo wall test
8. Add comment test
9. Add to my favorite list test
10. Back button test
11. Camera test

Test case1: Test whether Administrator could upload all restaurant information successfully.  
When Administrator open this app, he could click the left corner action bar, then page will go to the screenshot 1-1, Administrator could enter the name and password and click post obtainable Restaurant information button, then the page will go to the login page.



1-1

Comment: Screenshot 1-1 is initialize database page. Administrator enter his name and password which are valid and click post button. Then Administrator page could go to Login page like Screenshot 1-2.

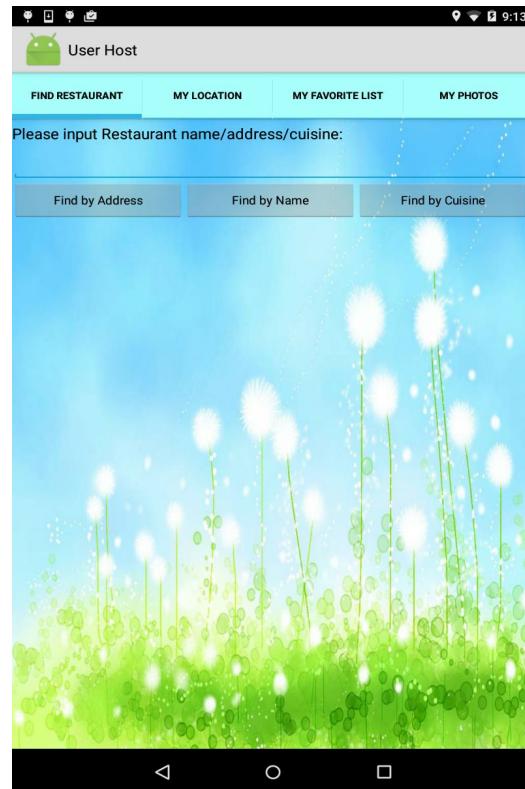
1-2

Test case2: Test whether user could login successfully

When user open Restaurant\_Finder app, it could show the MainActivity. User could enter his username and password to login. User enter username susan and password 111, she could login to User Host page.



2-1

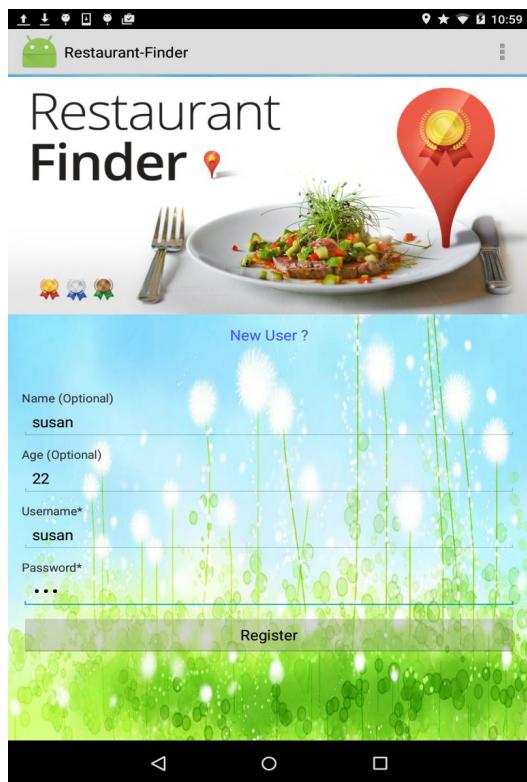


2-2

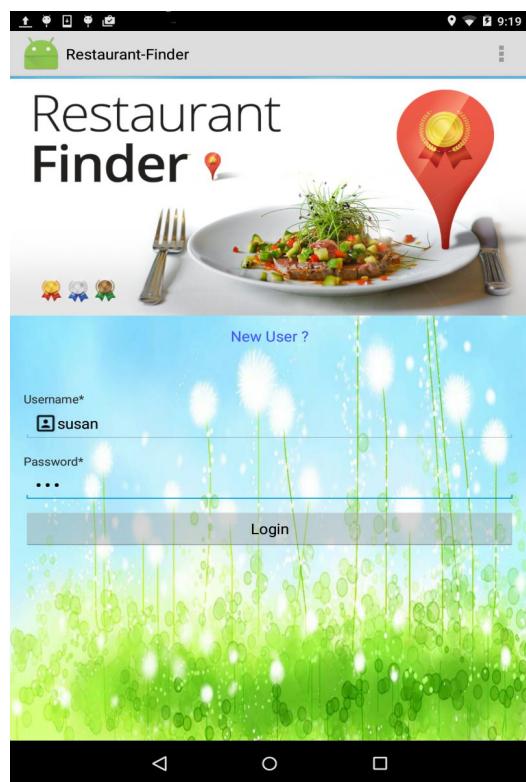
Comment: Screenshot 1-1 is log in page. User enter his username and password which are valid. Then log in page could go to User Host page like Screenshot 1-2.

Test case 3: Testing whether a new user could register an account successfully and use this account to login the app.

If you are a new user, you could click New User? and enter your personal information to get an account, then the register page will replaced by login page. Now you could use your username and password to login this app.



3-1

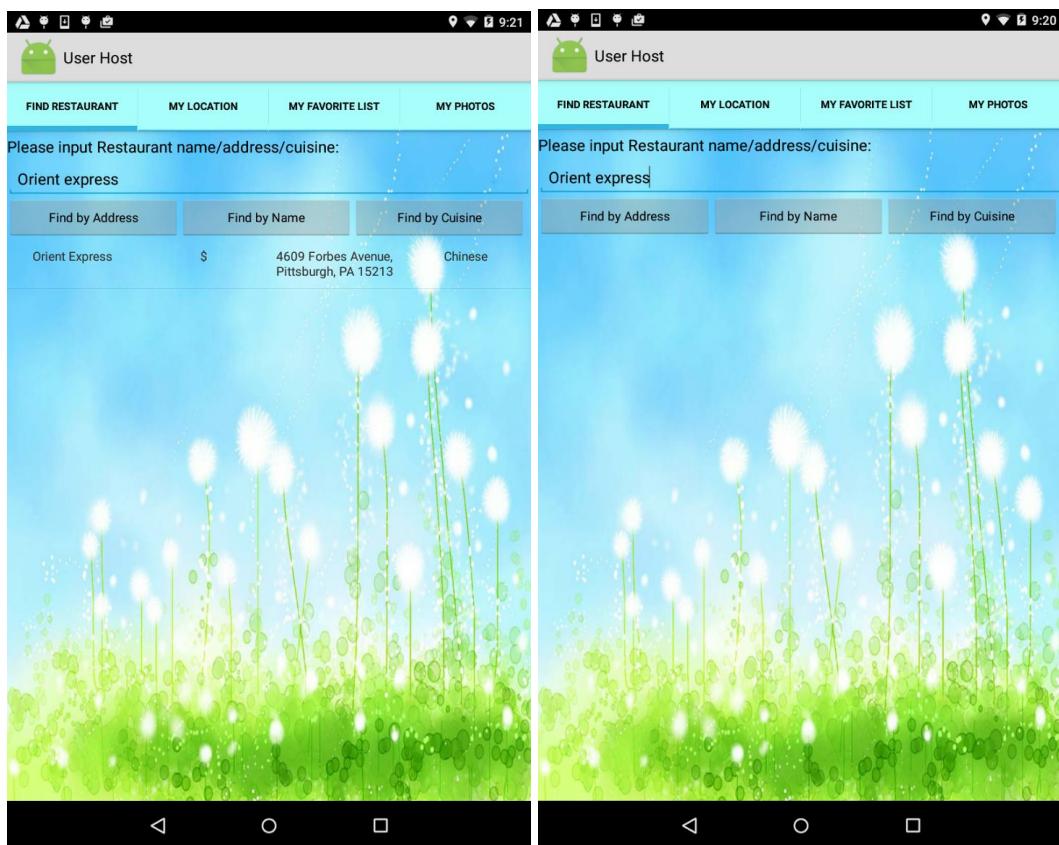


3-2

Comment: Screenshot 3-1 show how a new user register an account. After register successfully, it will show the page like screenshot 3-2 for user to login.

#### Test case 4.1:

When a user goes into User Host page, Find restaurant tab will be shown automatically. The content of find restaurant tab has three buttons, which means that user can search restaurant based on three kinds of input selections. First, user can input a restaurant name (our app can accept full name or part of name). Then, all available restaurants that match user input will be shown below. User can click one of the item in the list to go to Restaurant Host page, or user can shake the device and our app will automatically select a restaurant for user.



List results after click Find by name button.

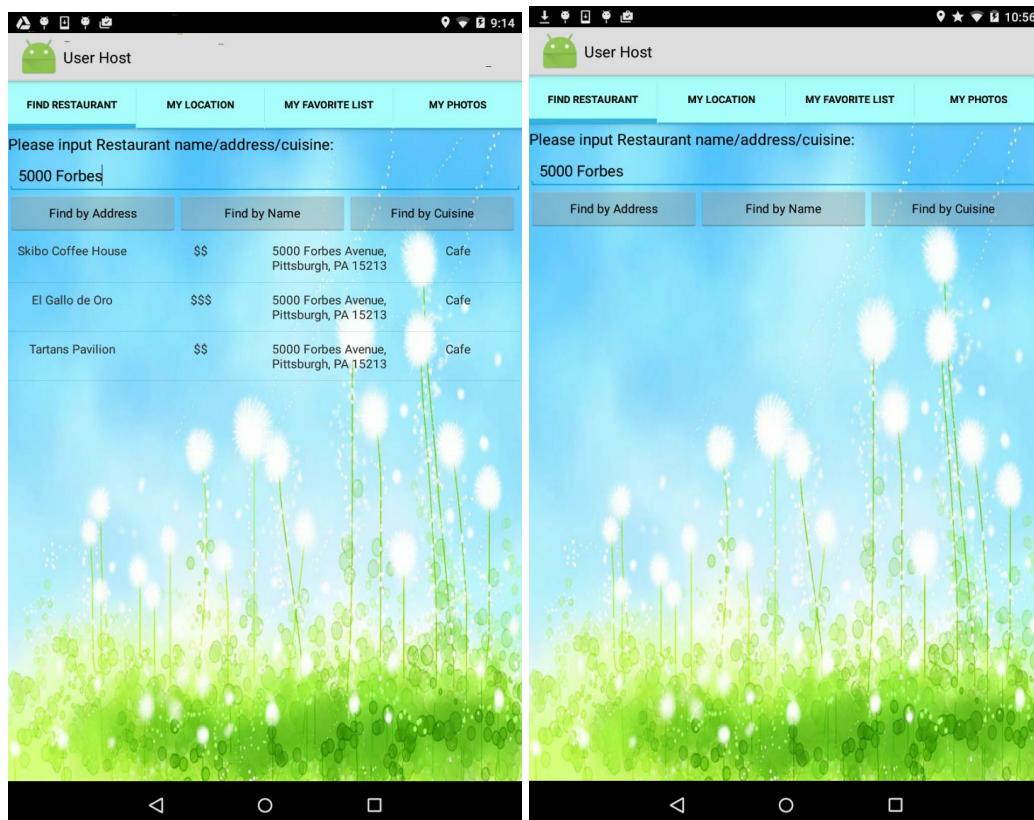
Before click the button.



Automatically select a restaurant in the list after shake the device.

#### Test case 4.2:

Second, user can search restaurant through inputting restaurant address. Our app can accept part of restaurant address and list all available restaurants that include the input address. User can click one of the item in the list to go to Restaurant Host page, or user can shake the device and our app will automatically select a restaurant for user.

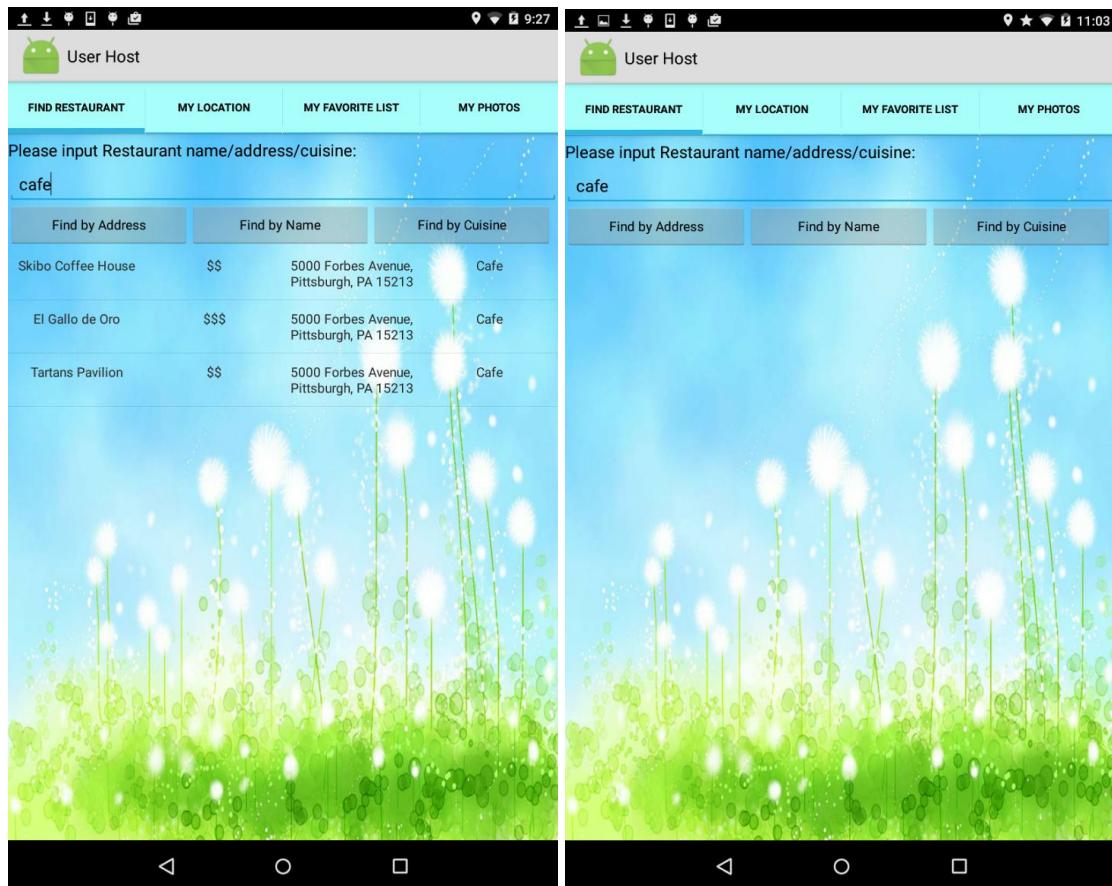


List result after click Find by address button.

Before click the button.

#### Test case 4.3:

Third, user can search restaurant through inputting restaurant cuisine. In this case, user has to input full name of a restaurant cuisine. User can click one of the item in the list to go to Restaurant Host page, or user can shake the device and our app will automatically select a restaurant for user.

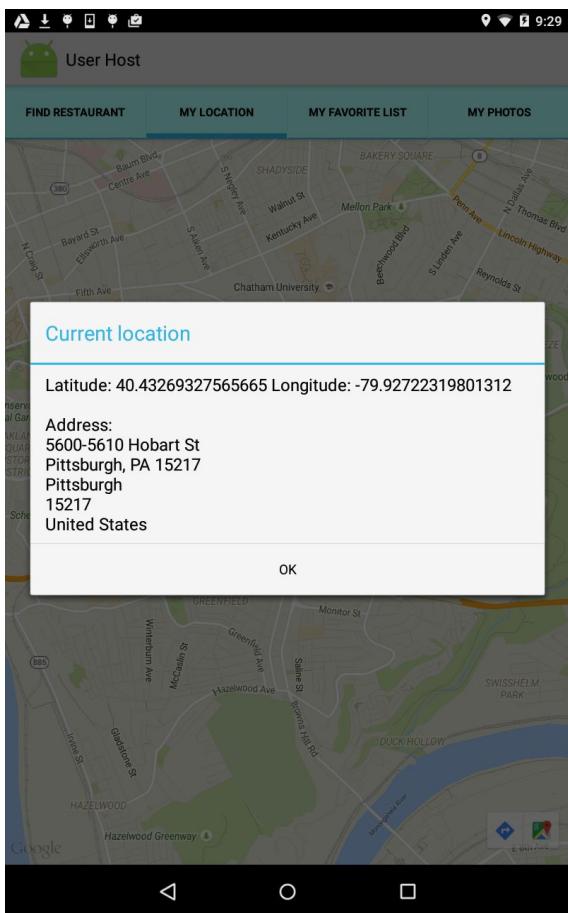
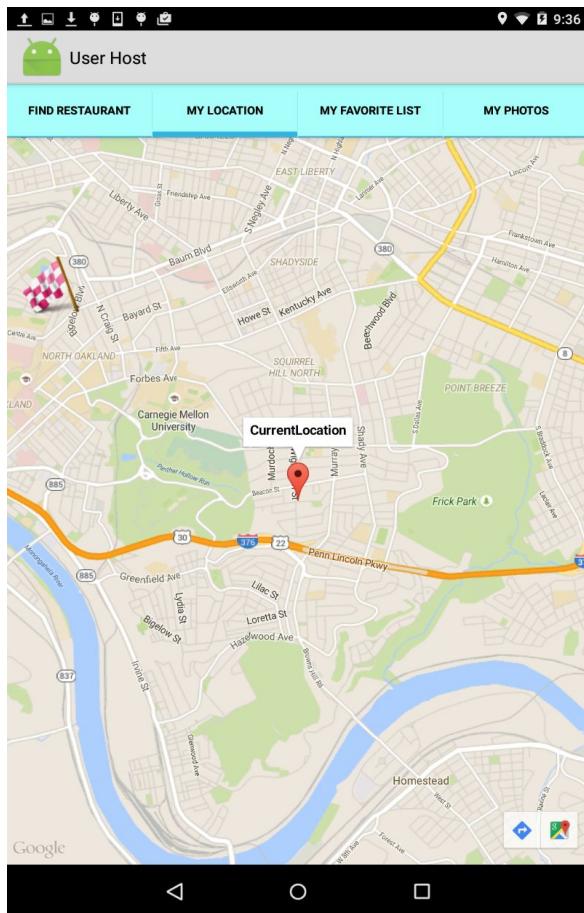


List result after click Find by cuisine button.

Before click the button.

Test case 5.1: Test whether GPS could get user current location correctly and showthecertain address.

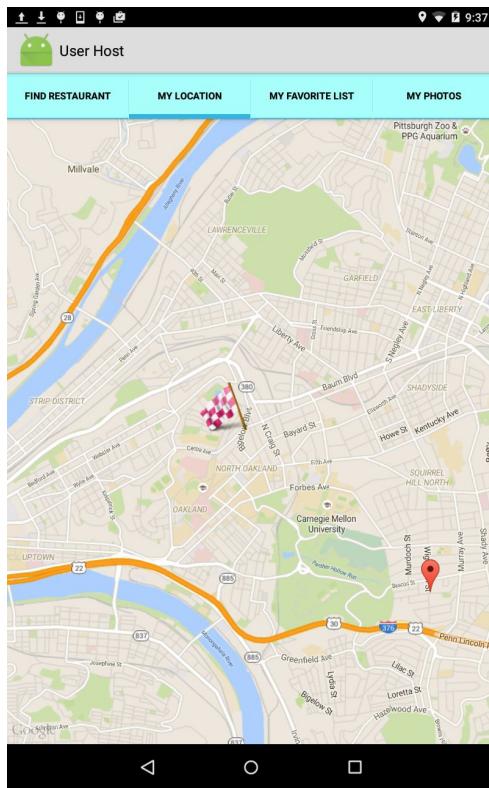
When user click MY LOCATION tab, the page will display a map and focus on user current location icon in the map. User could click this red icon, this marker's title will be displayed and when user click the title, the current location dialog could show user's certain address. User could close this dialog by click OK button.



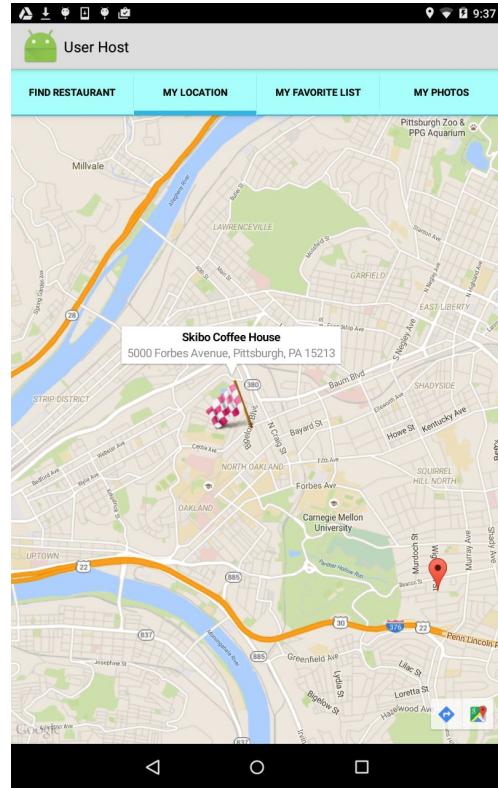
5-1-1

Comment: Screenshot 5-1-1 show user current location when user click MY LOCATION tab. Screenshot 5-1-2 show the certain address when user click current location title.

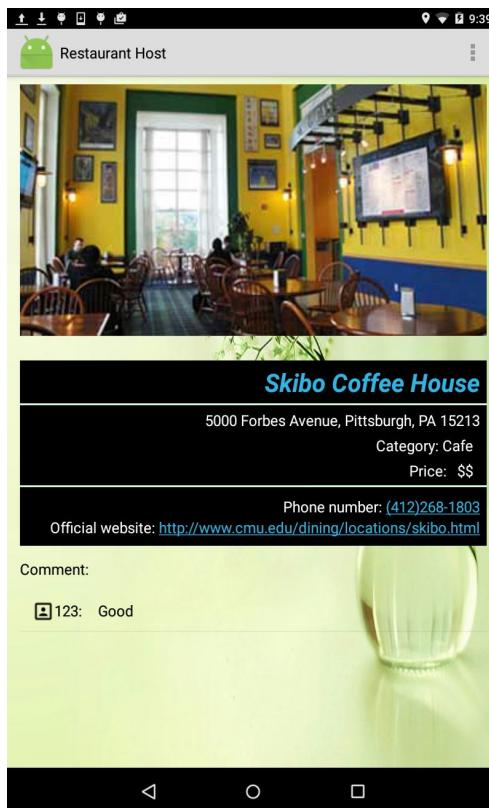
Test case 5.2: Test whether app could find restaurants nearby user's current location  
User could click the flag and make the map focus to this marker which represents the nearby restaurant. It will show this restaurant name and address. And when user click marker's title, page could go to this restaurant host page.



5-2-1



5-2-2



5-2-3

Comment:

The screenshot 5-2-1 shows map focus on this flag marker.

The screenshot show the nearby restaurant information when user click this flag marker.

The screenshot 5-2-3 show the restaurant host page when user click the specific flag marker title.

Test case 6.1: Test whether user could choose a restaurant and go to the Restaurant Host page by click a item in my favorite list.

When user click MY FAVORITE LIST tab,it will display a list of restaurants which are added by user before.User could choose a restaurant randomly and click it, then page will go to the Restaurant Host Page respectively.



6-1-1

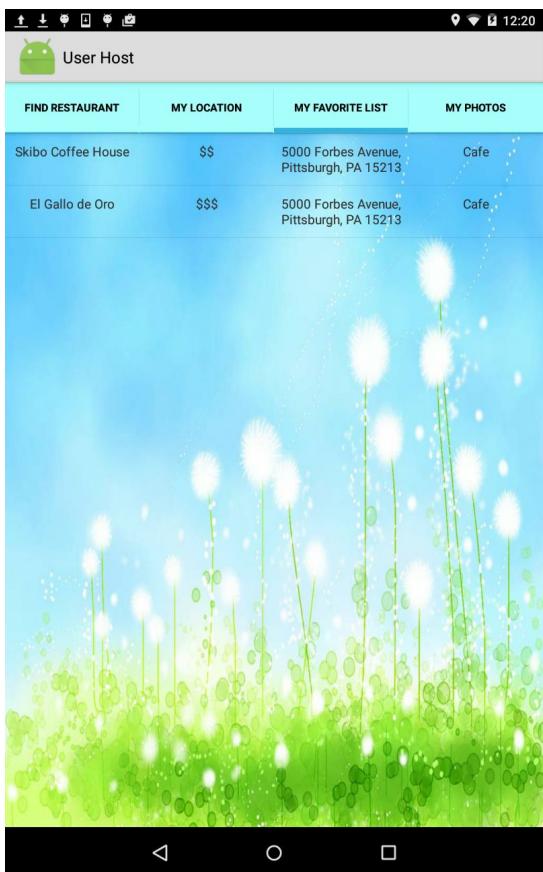


6-1-2

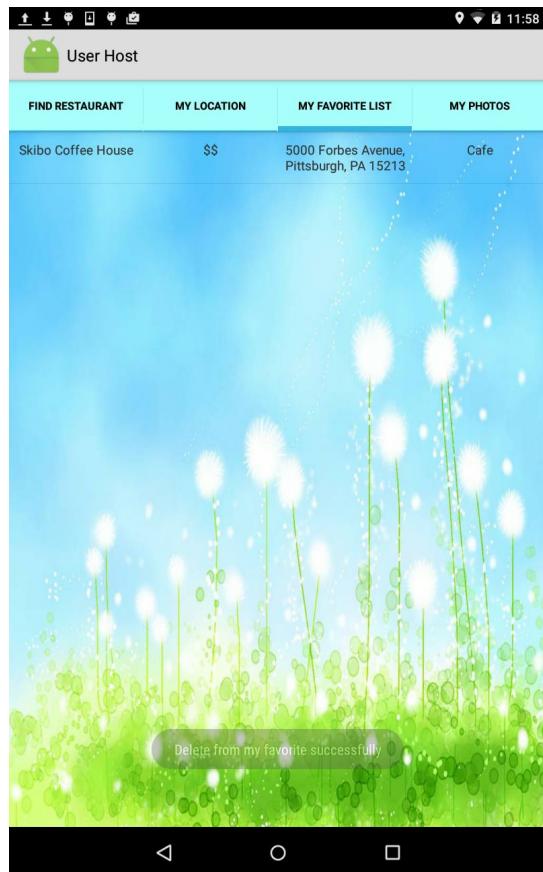
#### Comment:

The screenshot 6-1-1 show user's favorite restaurants when user click MY FAVORITE LIST tab. The screenshot 6-1-2 show the restaurant host page when user click the second item in the my favorite restaurants list.

Test case 6.2: Test whether user could delete a restaurant from his favorite list successfully. When my favorite restaurants show in the page, user could delete restaurant randomly from this list by sliding a specific item.



6-2-1



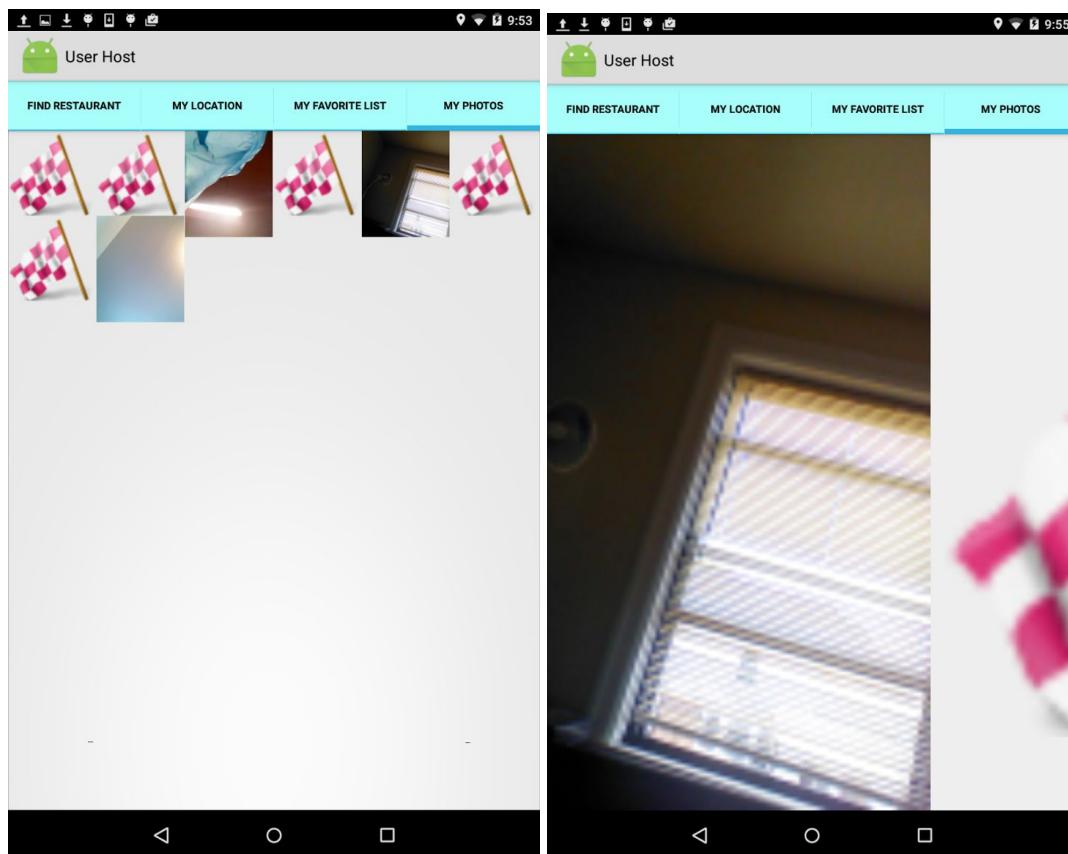
6-2-2

#### Comment:

The screenshot show user's favorite restaurants when user click MY FAVORITE LIST tab.  
The screenshot show user's favorite restaurants after user delete a restaurant by sliding the second item in this list.

#### Test case 7:

When user clicks MY PHOTOS tab, it will shows all photos taken by users. If user clicks one of them, it will fill out the screen and user can slide the screen to see next or previous photo. User can click the zoomed photo, then the photo will zoom out and the screen can show all photos again.

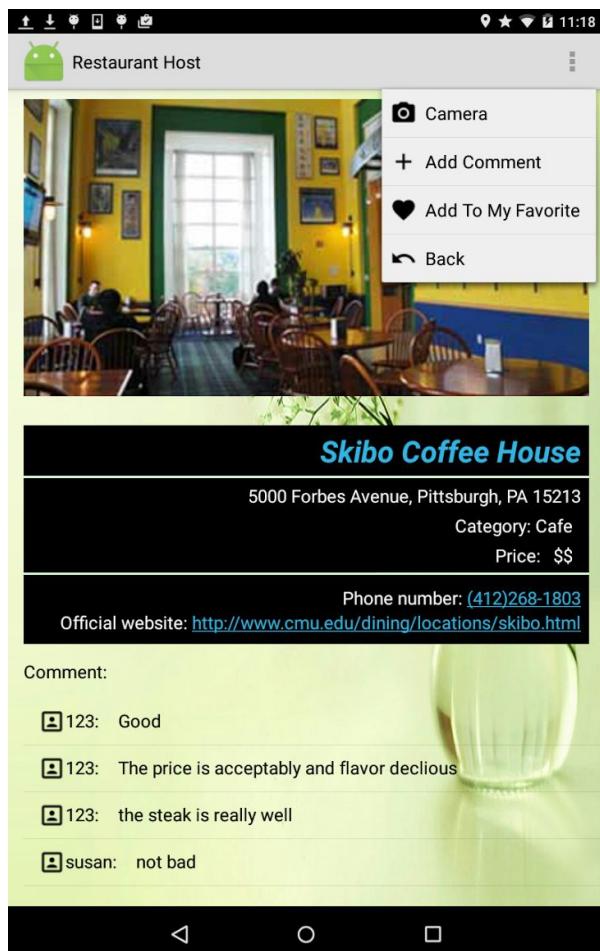


After click MYPHOTOS tab.

After click one of photos and slide the screen.

#### Test case 8:

When user goes into any Restaurant Host page, he will sees a list of users' comments at first. Then, user can choose to scroll the screen upward to see details of the restaurant information and the restaurant's photo. Our app has an action bar in the top right corner of the screen. User can click the bar and select add comments to input a comment. User may choose to input one to ten lines of comment and save it by clicking submit button. When the comment is saved successfully, our app will show a toast to let user know.



After clicking the action bar at the top right corner of screen.



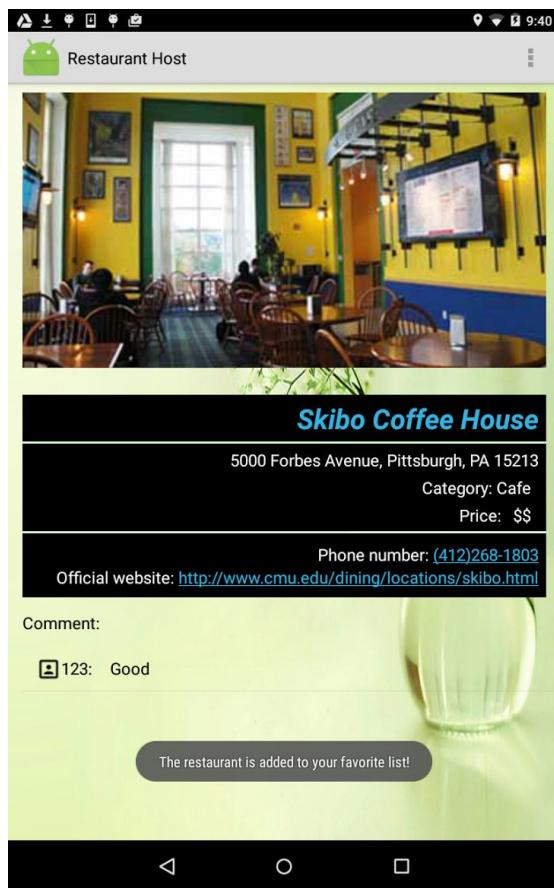
Before click submit button.



Toast showing out after click submit button.

#### Test case 9:

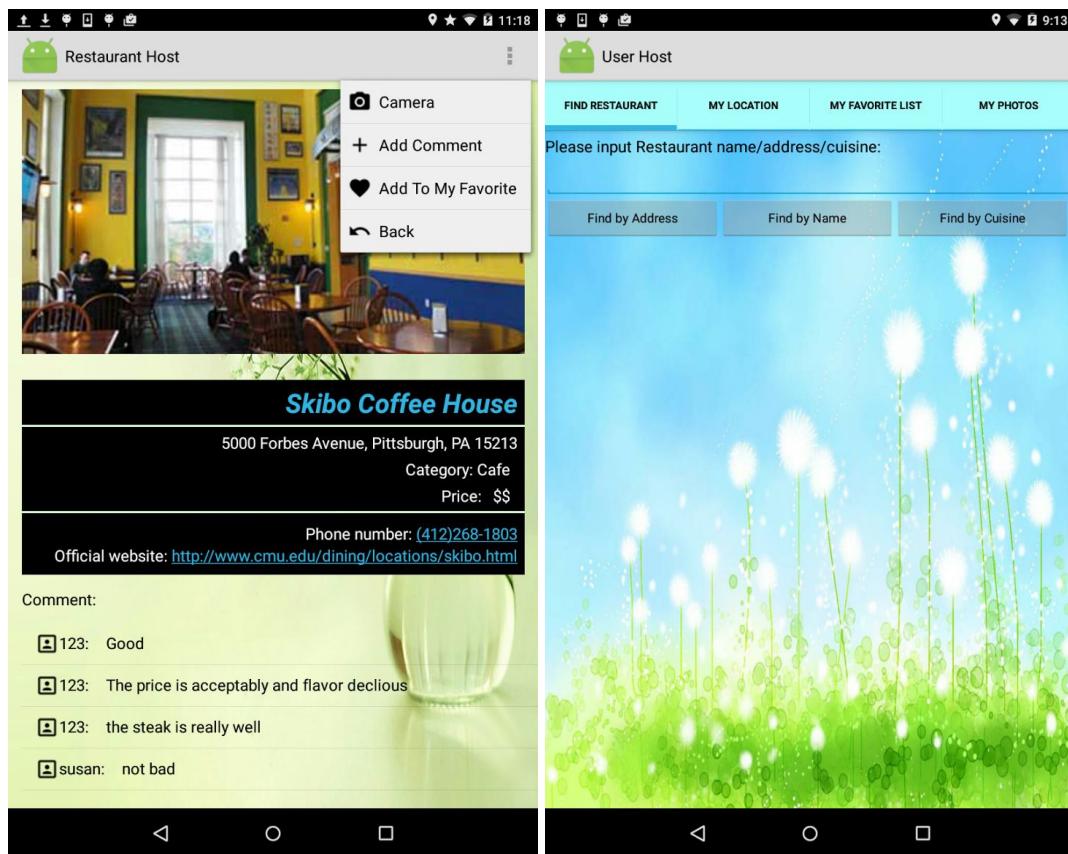
User can click the bar and select add to my favorite list to add current restaurant in the Restaurant Host page into user's favorite list. Our app will show a toast when the restaurant is added successfully. When the restaurant already exists in the list, user cannot add it again and there will be no toast jump out.



After click Add to my favorite list and restaurant is added successfully.

**Test case 10:**

When user wants to go back to User Host page from Restaurant Host page, he can select Back function in the action bar to return to User Host page safely.



Before click Back in the action bar.

Back to User Host after click Back.

#### Test case 11:

User can click the action bar in Restaurant Host and select Camera to take a photo. Our app will automatically upload the photo to server. If user click MYPHOTOS tab in User Host, he will see the new added photo.



After click Camera in the action bar.

## Boundary test cases:

1. ScrollView height boundary

The maximum height of scrollView in Restaurant Host page that can be滑 by user is 1000dp.



## 2. Comment content boundary

Input type of comment can be alphabet, number, or symbols. Picture icons is not acceptable.

## 3. Number of photos boundary

Our app can show up to six photos per row and up to seven photos per column.

## Negative test cases:

### 1. No input

- 1.1 New user register
- 1.2 Find restaurant
- 1.3 Add comments

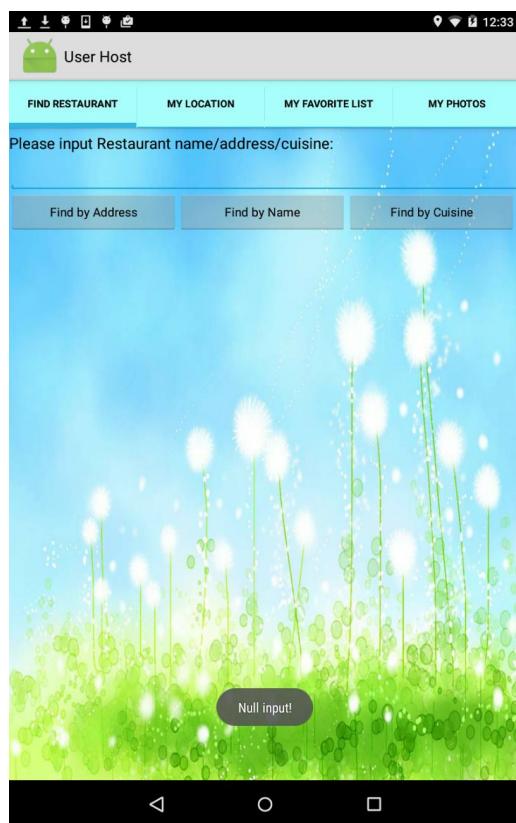
### 2. No result

- 3. No nearby restaurant
- 4. Username not found
- 5. Duplicated username

Test case 1.1: User does not enter username or password, then click register button directly.  
Our app will show a toast to remind that username or password cannot be empty.



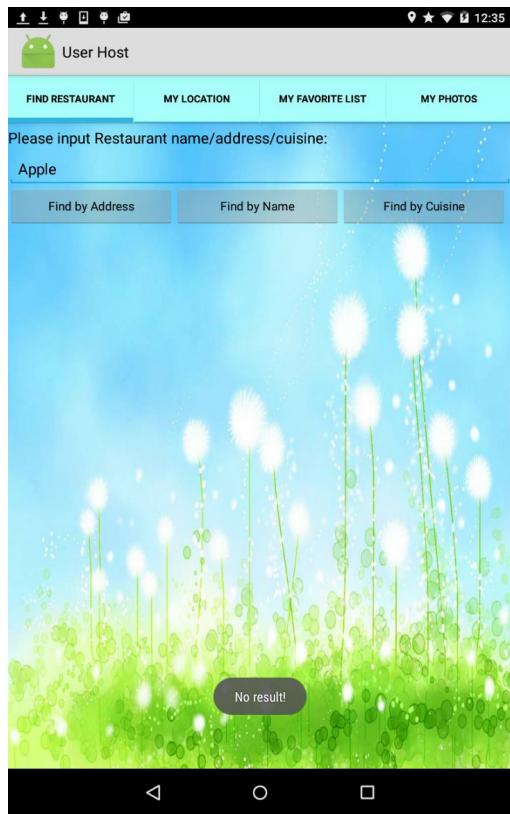
Test case 1.2: User does not enter an address/name/cuisine, then click Find By Address /Find By Name /Find By Cuisine button directly. Our app will show a toast to remind null input.



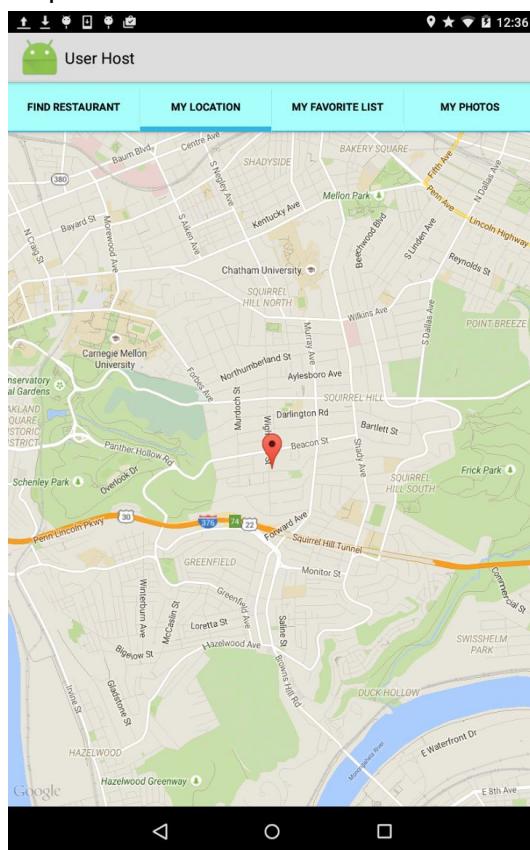
Test case 1.3: User does not enter anything in comment dialog, then click submit button directly. Our app will show a toast to remind user inputting comment.



Test case 2: If user enter an address/restaurant name/cuisine which are not found in this app, it will show a toast message "No Result".



Test case 3: If user's current location beyond our restaurant range, it may not show nearby restaurants in the map except current location marker.



Test case 4: When user does not enter username or password, or username and password are not matched, it will display a toast message to remind user inputting a valid username or password.



Test case 5: If a new user use a duplicate username to register an account, it will toast a message to let user changing to another username.

