# Surrey Food Delivery Android Development

By Team #27 –Bill Xue, Kent Huang,

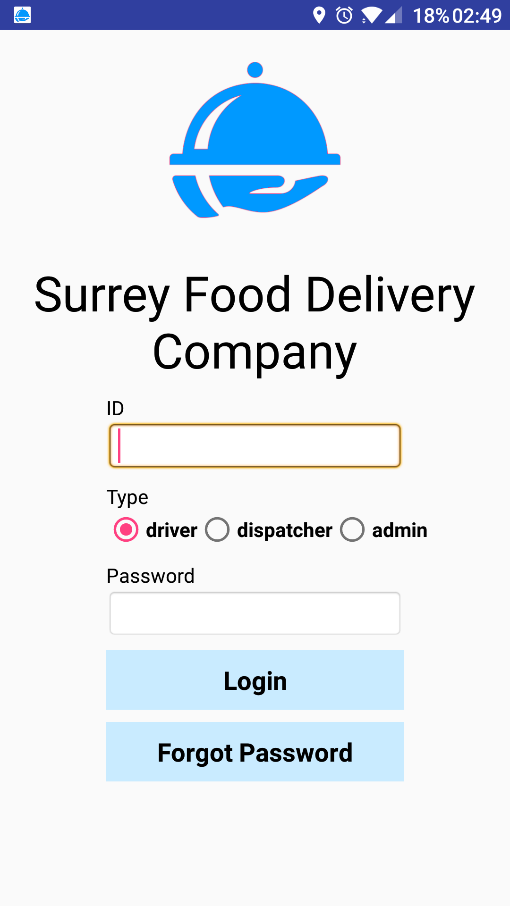
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# Company app

Company can be used by three roles:

* admin
* driver
* dispatcher



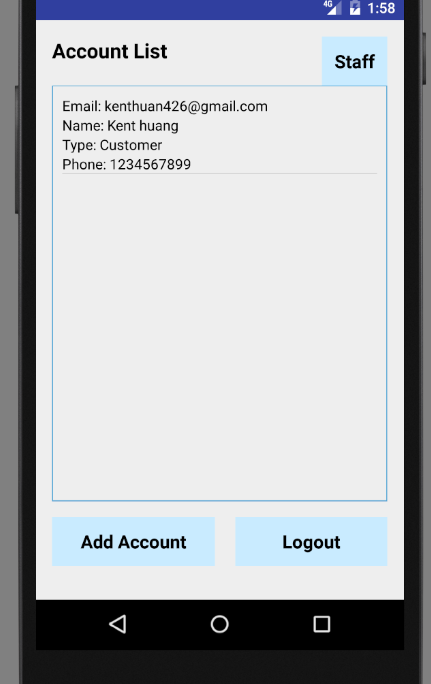
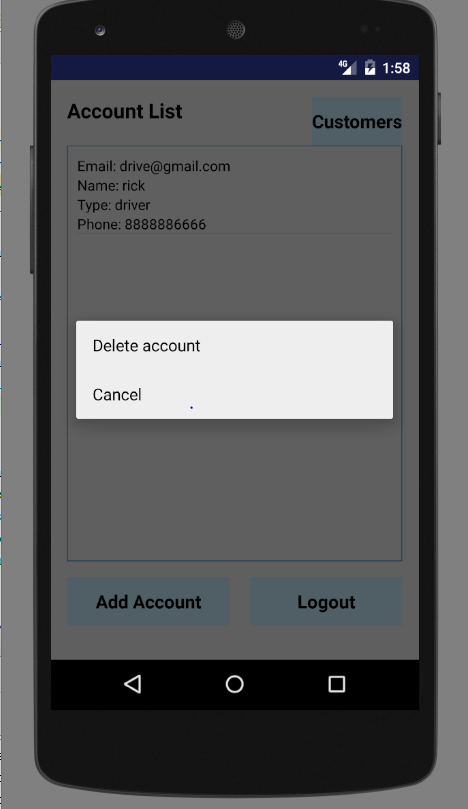
Login view

## Admin view

Admin account is pre-set and is used to add accounts for drivers and dispatchers.

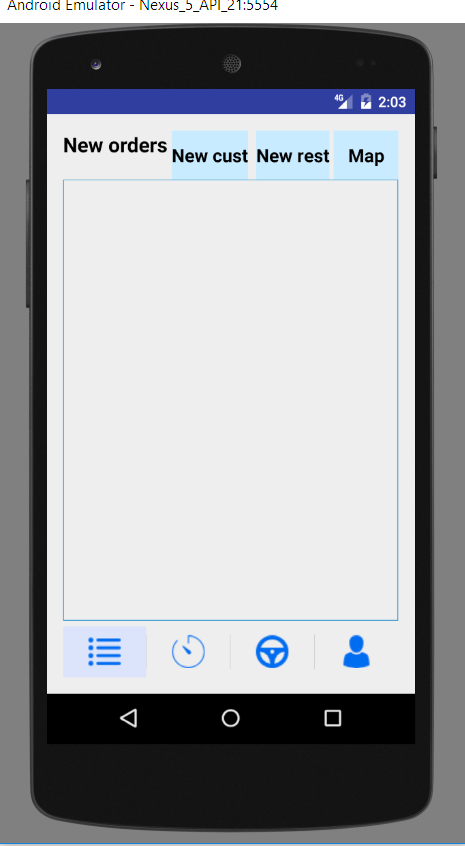
Admin account: [surreyfooddeliveryapp@gmail.com](mailto:surreyfooddeliveryapp@gmail.com)

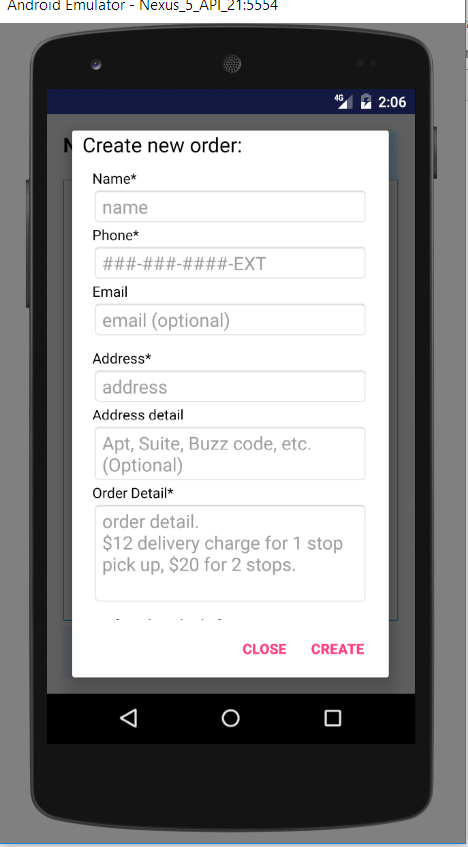
Admin password:# (note: password can be changed by using forget password function)

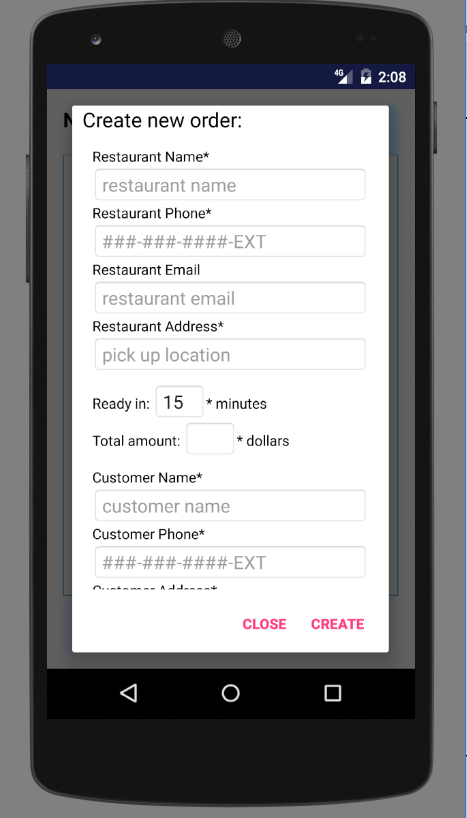
Note: long-press item to delete account

## Dispatcher view



Button to place order of customer type 

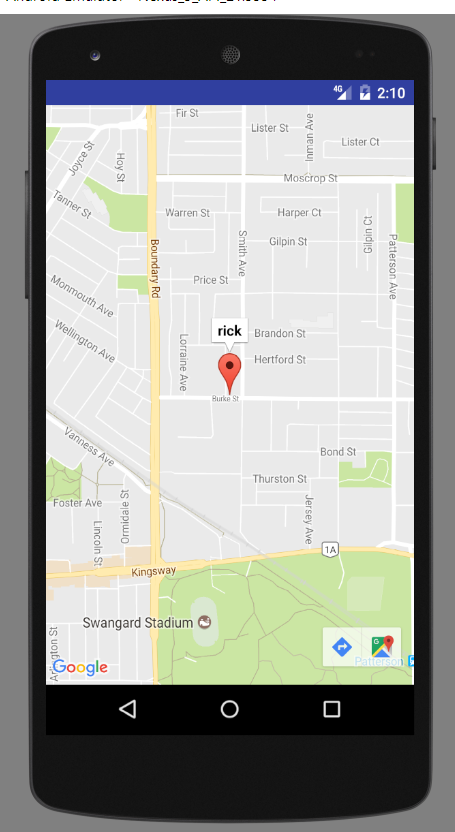
Button to place order of restaurant type



Map for drivers’ locations

(Tap on the label to see

name of the driver)



New order tab:  orders placed by customers or restaurants will be displayed here. Dispatcher can assign orders to drivers by tapping on the order item.

In-progress tab:  orders are in progress will be displayed ob this tab.

Driver tab:  only online drivers who are logged in will be shown here.

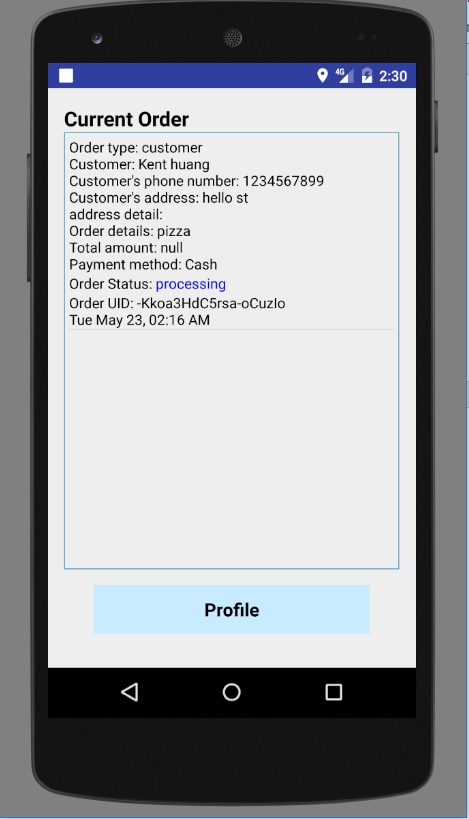
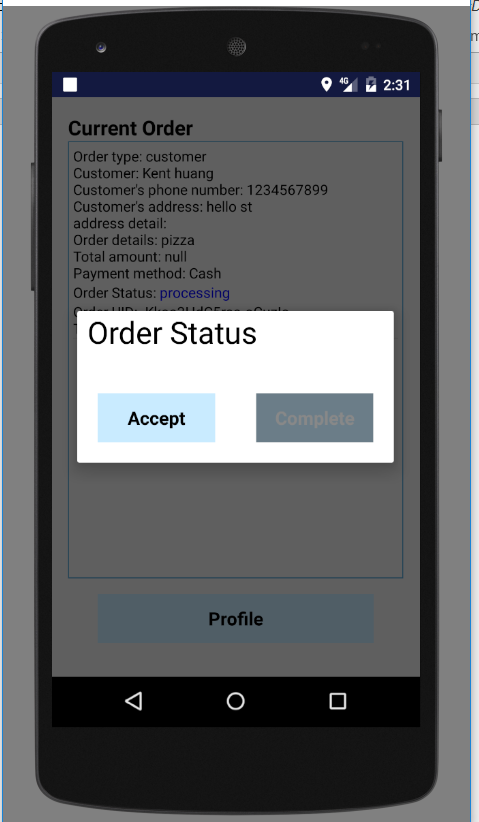
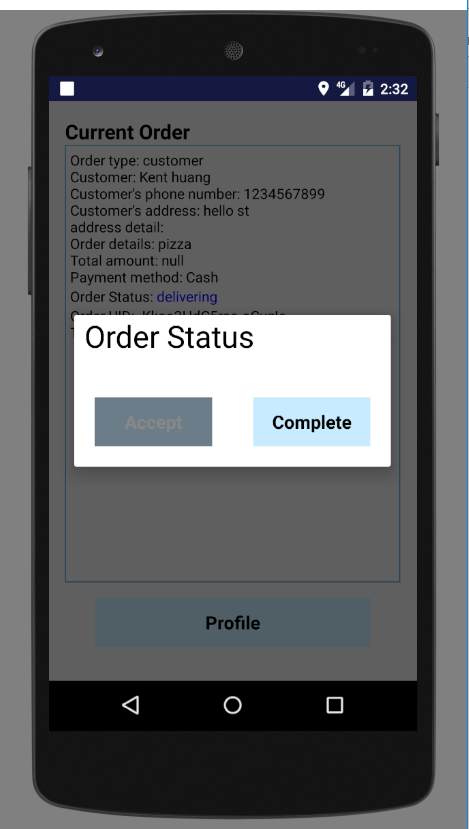
Profile tab:  dispatcher can log out in this tab.

## Lifecycle of one order

**pending -> processing ->delivering->finished -> confirmed**

* Pending: customer or restaurant places an order.
* Processing: dispatcher assigns the order, but driver has not picked up yet.
* Delivering: driver picks the order up and starts delivering.
* Finished: driver complete the delivery.
* Confirmed: order completion is confirmed by dispatcher and this order will be removed from the in-progress tab of the dispatcher view.

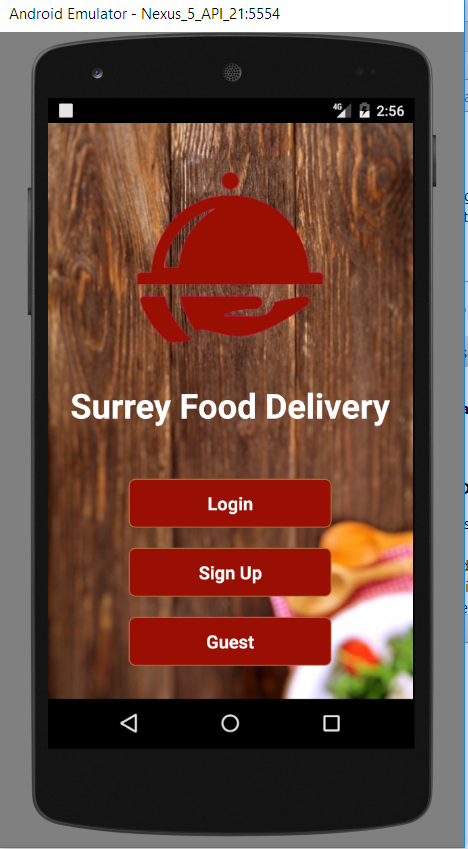
## Driver view

1. Tap on order and press Accept to accept order to proceed delivery.
2. When the order delivery is completed, tap on the order and press Complete.

# Customer app

## The first view: welcome page

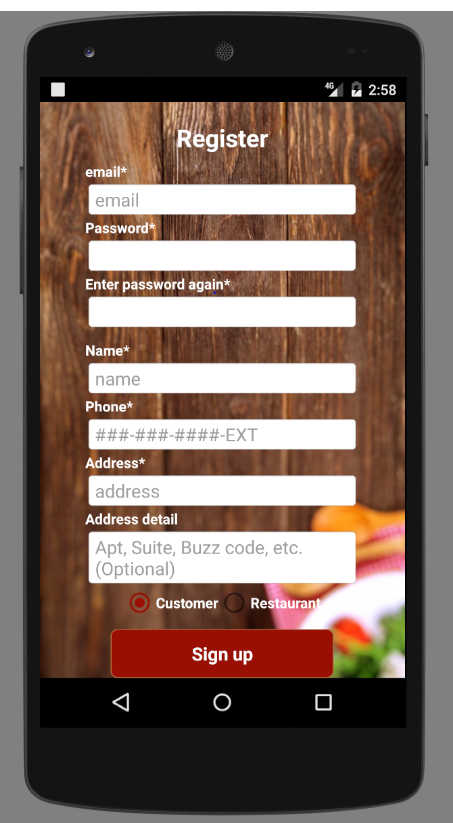


Login: registered users can proceed and login in this tab.

Sign up: users can create either new customer account or new restaurant account.

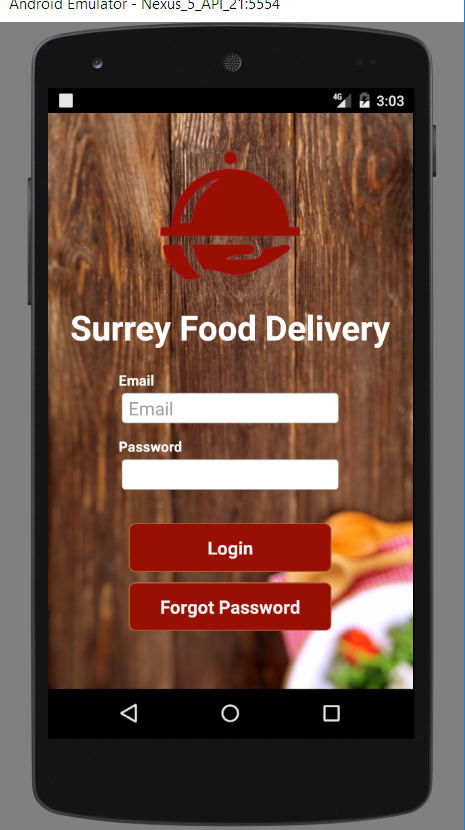
Guest: non-logged-in user can place order as a guest.

## Register page



Here to create new account. (Email as account id)

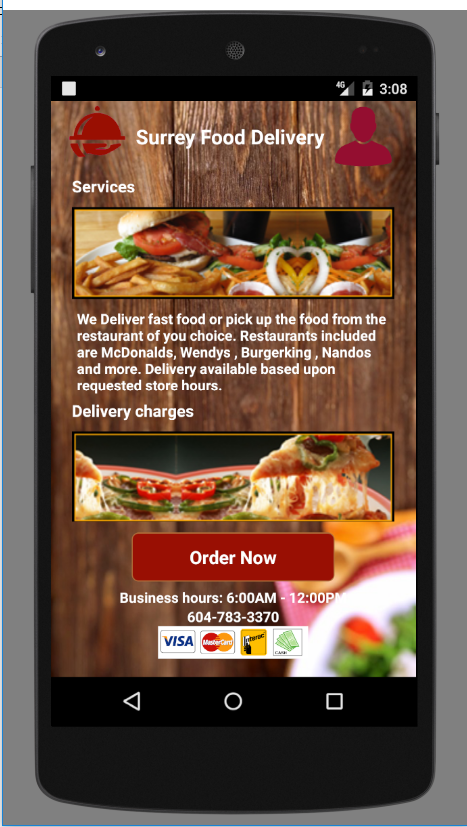
## Login page



Login: log into home page.

Forget password: to reset password.

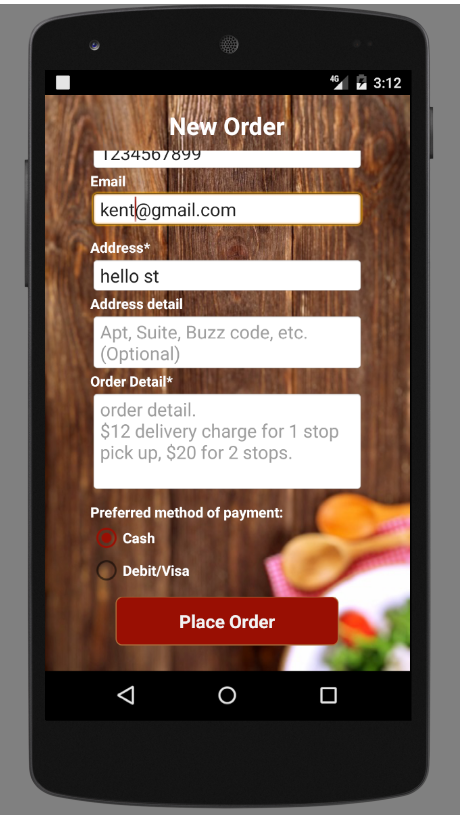
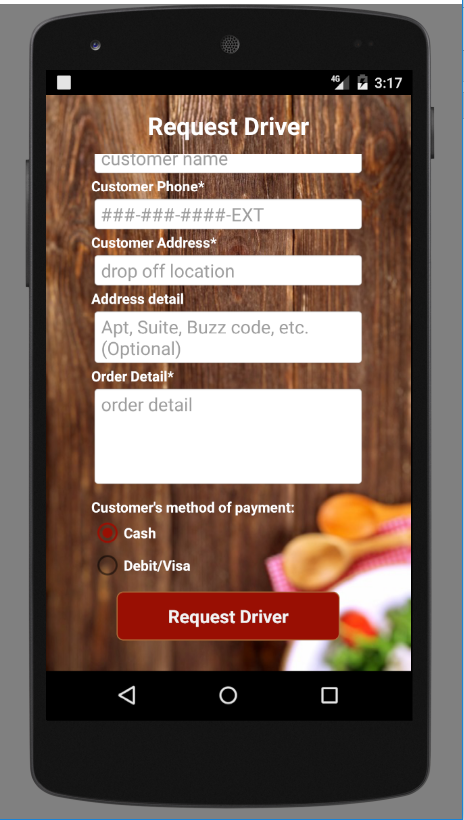
## Home page



Order now: redirect user to order submission form.

 : redirect user to profile page.

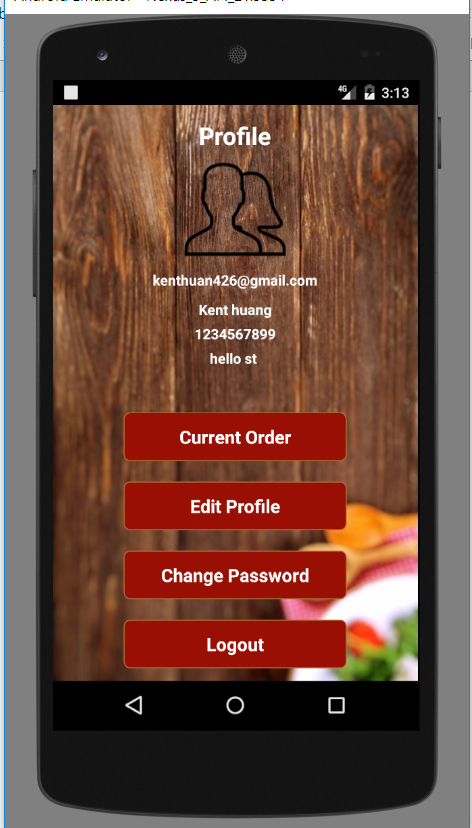
# Place-order page

Customer order page Restaurant order page

Depending on the login type(customer or restaurant), the place-order form differs.

## Profile page



Current Order: to view order history.

Edit Profile: change account basic information.

Change Password: change current password.

Logout: log out current account.

## Development notes

### Firebase account

Google Account for signing up firebase: [surreyfooddeliveryapp@gmail.com](mailto:surreyfooddeliveryapp@gmail.com)

Password: #

Google Maps API key: AIzaSyBvhZ0UET\_k-lWScRw59HBGcs570bNvY7U (already set up in google console under project SurreyFoodDelivery of account [surreyfooddeliveryapp@gmail.com](mailto:surreyfooddeliveryapp@gmail.com) )

### Firebase development

Using components of firebase:

* Authentication: account management.
* Database: account management and order storage.
* Cloud functions: database triggered to send notifications.
* Messaging: called by cloud functions to send notifications.

### Price and plan:

Google map: [https://enterprise.google.com/maps/pricing/#compare-editions](https://enterprise.google.com/maps/pricing/" \l "compare-editions)

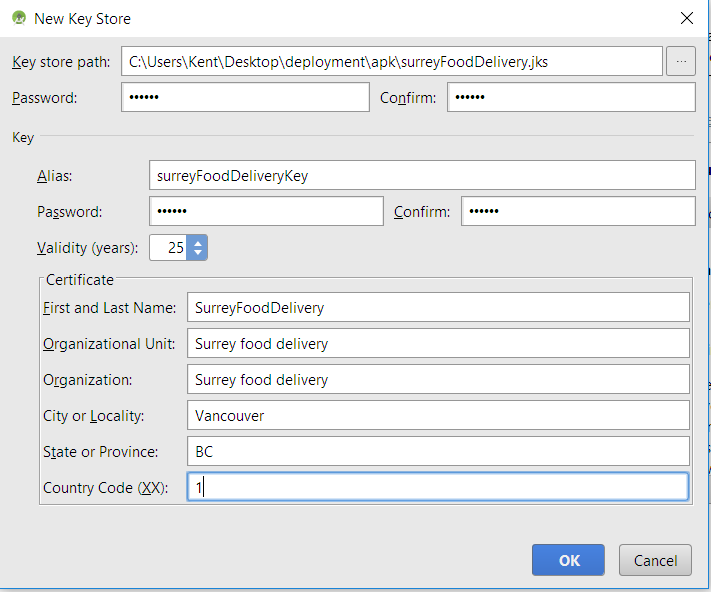
(Unlimited free usage for Google Maps Android API)

Firebase: [https://firebase.google.com/pricing](https://firebase.google.com/pricing/?gclid=CjwKEAjwu4_JBRDpgs2RwsCbt1MSJABOY8an_d_E8tWvYuEppNLO3e8ov1zV2hpH0XXk0ysHndxplRoCaoLw_wcB)

Note:

* Free plan:
* Database: 1GB storage, 100 Simultaneous connections
* Cloud Functions: 125K invocations/month

### Signing Android APK(for future app development and publication)



Password:123asd