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Final Project Discussion

The API features that I used are 2D graphic drawing and touch input. For the 2D graphic drawing API, I used it to draw a spinning completed order text in the Complete page. First, I create a MyView.java file in Java folder. In MyView.java file, it defined the function feature of MyView class which extends View class. In the MyView class, it included the method of startAnimation, stopAnimation, update getRandomColor, and getRandomTypeface. It also contained the override method of onSizeChanged, and onDraw. It also used the library like paint, Canvas, and paint. After I had MyView Class, I used the function in the MyView on complete.java file and override the method of onResume, onPause,onCreateOptionsMenu,and onOptionsItemSelected, to create a spinning text. And in the activity_complete.xml, I create a MyView object - spinning text based on MyView class. The spinning text showed in complete page can change color while it spinning. And it settled a center point, then do the spinning.

For the touch input API, I used it for getting the signature signed by customer. Similar as using 2D graphic drawing API, I also create a MyViewSign java class. In MyViewSign class, I included the method of getColor, and setColor. I override the onDraw method. IN the onTouch Event, I used switch case to check and take action on moving up and down. In the finalTotal.java file, I used adapter and MyViewSign class to get the signature in sign area. The customer can also choose different color to sign their name.

The biggest challenge I had is using the API features. I need to first create the MyView and MyViewSign classes. In both classes, I need to

override some methods, and create other new methods to support the functions. And I also need to used them in the page java file and page xml file. Since these two class is not extend library classes and not a android studio default class, it hard to measure it is correct. And it hard to measure it will work correctly when you used it in other class.

The limitation I had in my app is I did not include all the item that MingHin restaurant had into my item List. I also didn't create all the detail page for items. It is better to use a database to contain all the item information because it will make the updated information much faster and easier.