

MINIMUM TECHNICAL REQUIREMENTS.....	1
PAYEEZY ANDROID INITIALIZATION	2
Steps to integrate code with Payeezy SDK.....	2
Getting started	2
Define merchant Token, Apikey and ApiSecret	2
PAYEEZY INTEGRATION.....	2
Tools & RESOURCES	3
Installation	9

Minimum technical requirements

The android mobile SDK requires android SDK 6 and android OS 4.0 ice cream sandwich or higher (API level 14 or higher).

For more details: <https://www.apple.com/apple-pay>

Payeezy Android initialization

Build app to make purchases directly in your app. An easier way to pay within apps

Convenient checkout on android 4.0 or higher you can also use Apple Pay to pay within apps

Steps to integrate code with Payeezy SDK

Step1: Collect card information

Step2: Using secure token to Authorize and Purchase

Step3: Sending token to complete Authorize and Purchase

Getting started

Using GitHub

Clone Payeezy SDK using with HTTPS or Subversion

HTTPS URL: https://github.com/payeezy/payeezy_android/payeezy_android.git

Using clone command: git clone https://github.com/payeezy/payeezy_android/payeezy_android.git

Subversion URL: https://github.com/payeezy/payeezy_android/payeezy_android.git

Or simply download zip file: https://github.com/payeezy/payeezy_ios/archive/master.zip

Define merchant Token, Apikey and ApiSecret

```
restTemplate.setRequestFactory( new org.springframework.http.client.HttpComponentsClientHttp
this.setUrl("https://api-cert.payeezy.com/v1");
this.setAppId("y6pWAJNyJyjGv66IsVuWnk1kKUPFbb0a");
this.setSecuredSecret("86fbae7030253af3cd15faef2a1f4b67353e41fb6799f576b5093ae52901e6f7");
this.setToken("fdoa-a480ce8951daa73262734cf102641994c1e55e7cdf4c02b6");

}
```

Payeezy Integration

beyond the transaction™

Payeezy support integration with android, Java, php, python, ruby , nodeJS and curl

Tools & RESOURCES

Download and build

- **Github** – For Payeezy source code downloads – visit <https://github.com/>
- **Eclipse** – For client library integration and development – for more information visit <https://eclipse.org/>
- **IntelliJ** – For client library integration and development – for more information please visit <https://www.jetbrains.com/idea/>
- **JDK 1.6 and above** - For compiling java code – for more information please visit <http://www.oracle.com/technetwork/java/javase/downloads/index.html>
- **Text editor** - if you don't have one already, you may want one for editing properties file. A few options: Atom, Sublime Text, Textmate, Brackets.
- **Android Studio** : Android studio can be downloaded from the following location. I has all the information about android studio. <http://developer.android.com/tools/studio/index.html>
- **Android SDK** – For android SDK visit <http://developer.android.com/sdk/index.html> . This has the android SDK tools and plugins and the android studio for development.
- **Android eclipse plugin** – The android sdk eclipse can be downloaded from the site <http://developer.android.com/sdk/installing/installing-adt.html> .

Package Managers

- **Gradle** – For build, standard gradle build can be used. You need to add sdk/platform/tools folder in the path. We are using standard eclipse build for our purpose.
- **Maven** – For build and test – for more information please visit <http://maven.apache.org/>

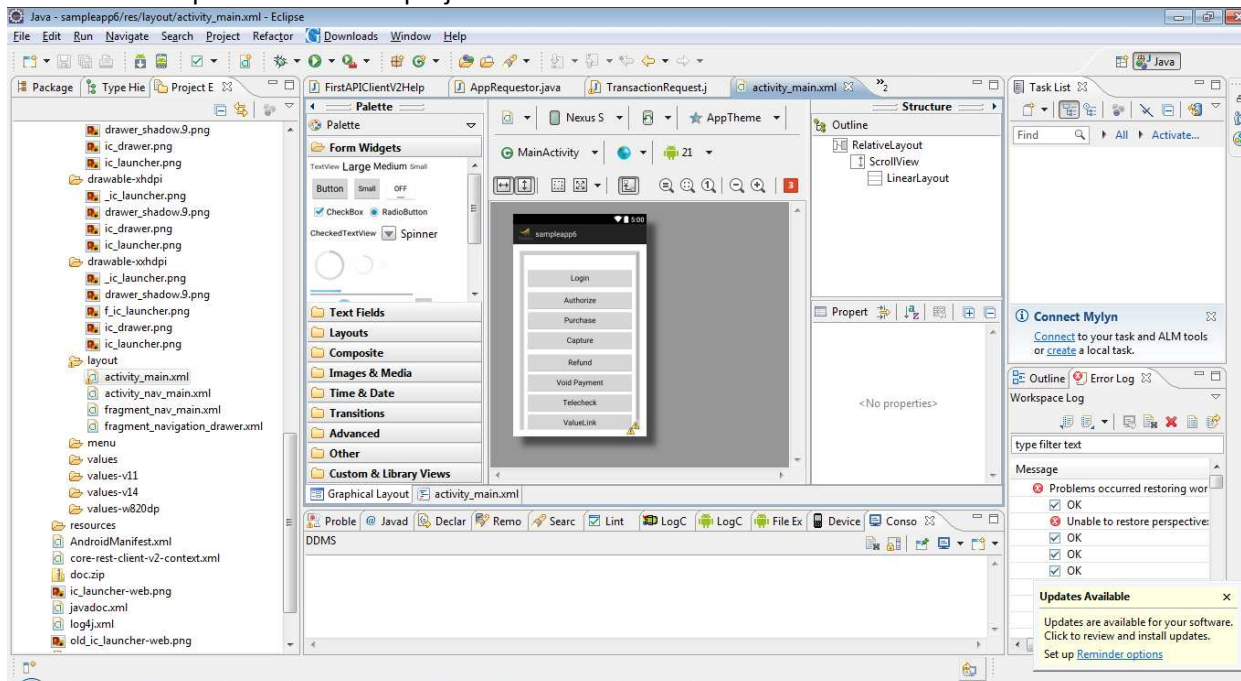
Download

Download sample code from GitHub <https://github.com/payeezy/payeezy/tree/master/java>

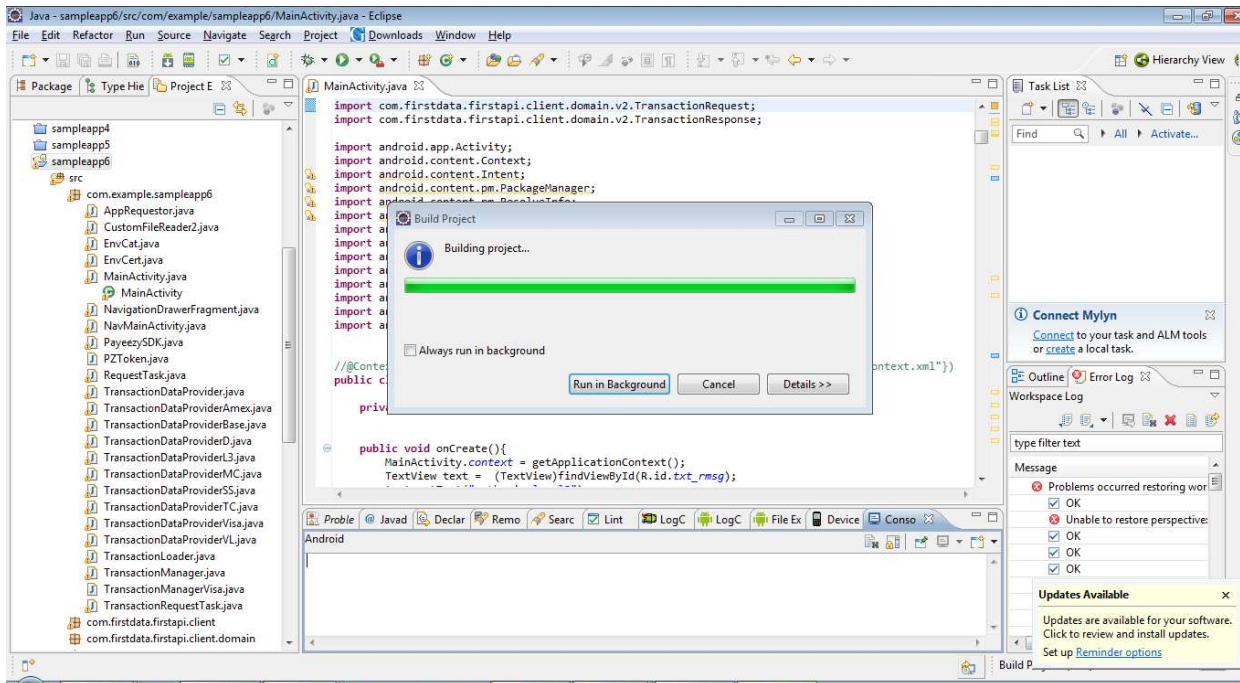
Build/install

The build can be done using the eclipse build. The project code is imported into eclipse. Following are the pictures of the code in eclipse. The code can be built from eclipse with Android plugin.

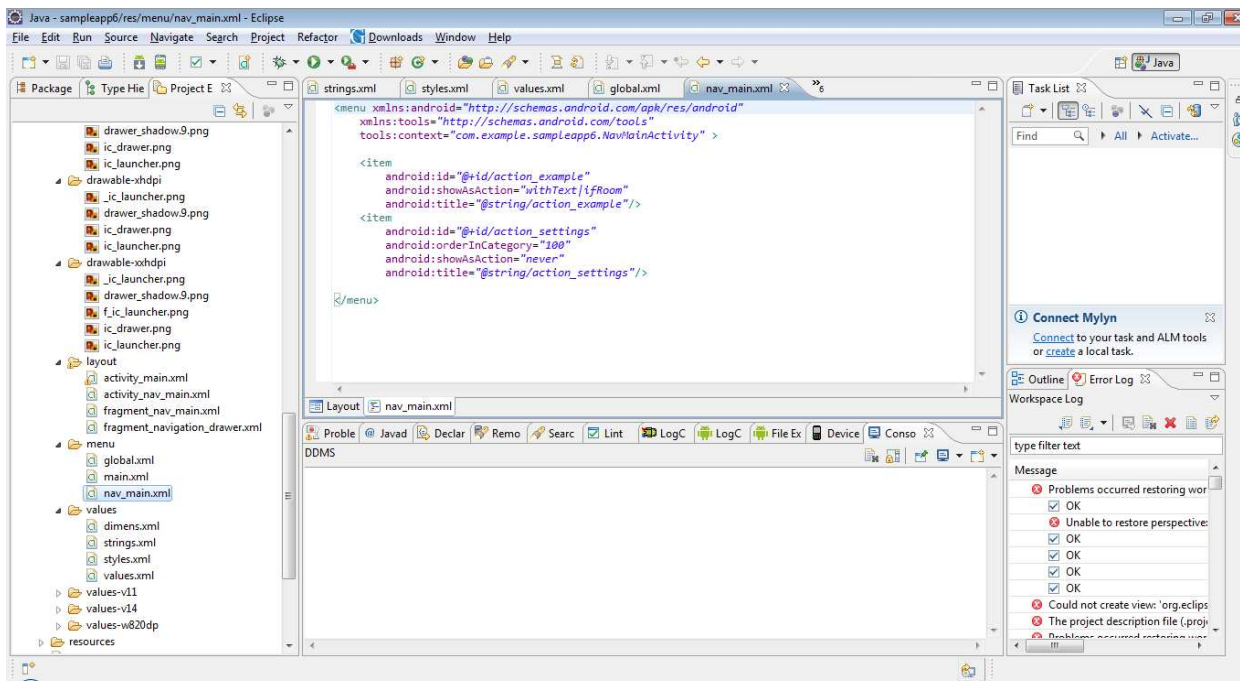
You can also import code as Java project



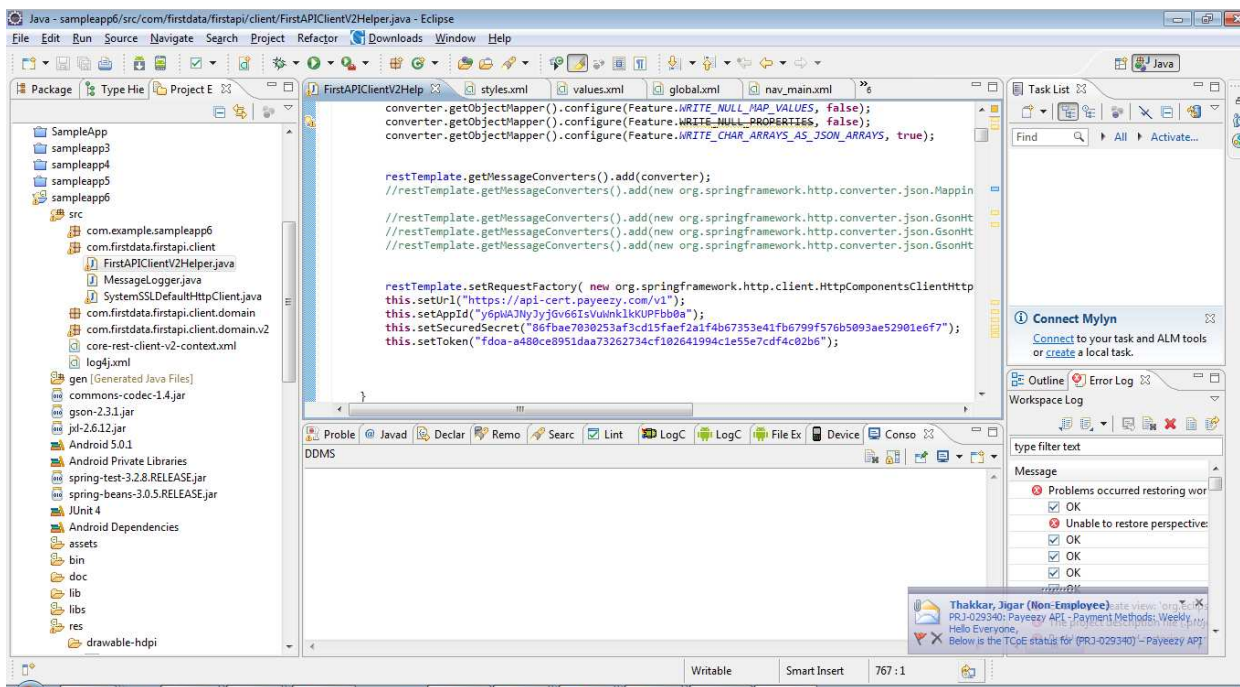
Note that you can run the eclipse build to compile the code.



Following screen shows the menu options



Following screen shows specifying the apikey, secret and token specification.



Customize

Update FirstAPIClientV2Helper.java file.

Please go to \$PAYEEZY /sampleapp6/src/com/firstdata/firstapi/client/FirstAPIClientV2Helper.java And in the constructor update with your appid, securedSecret and token. Further these values can be modified in the individual calls to the FirstAPIClientV2Helper class.

Where

For example: \$PAYEEZY = path to SDK folder

Note that

securedSecret = API Secret

appid = API Key

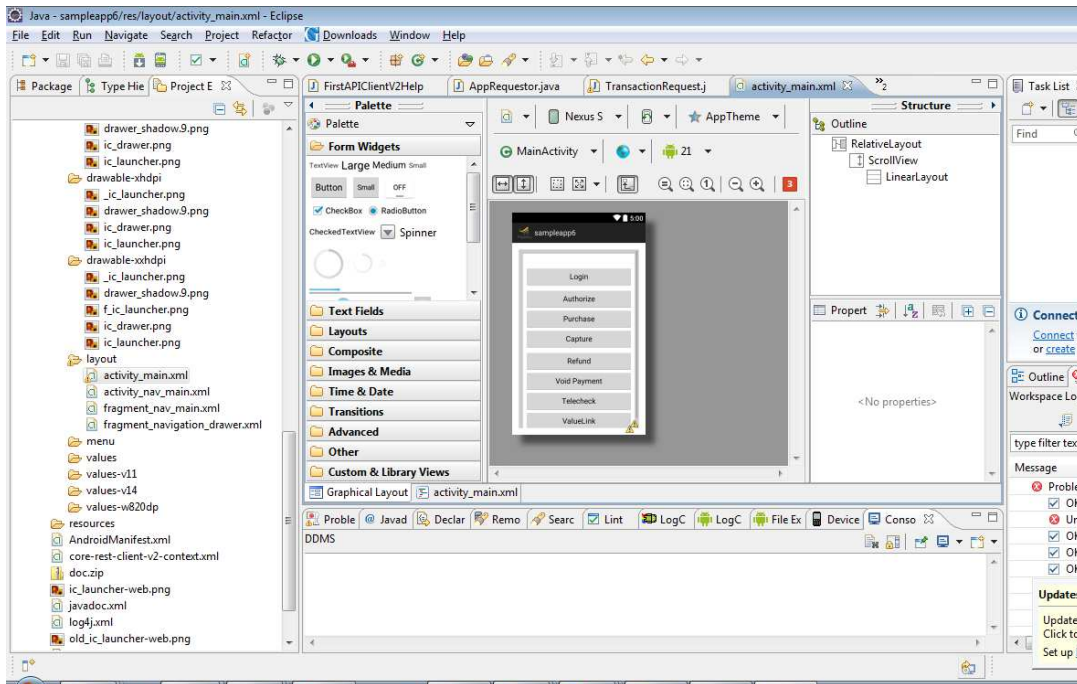
token= Merchant token

```
restTemplate.setRequestFactory( new org.springframework.http.client.HttpComponentsClientHttp
this.setUrl("https://api-cert.payeezy.com/v1");
this.setAppId("y6pWAJNyJyGv66IsVuWnk1kKUPFbb0a");
this.setSecuredSecret("86fbae7030253af3cd15faef2a1f4b67353e41fb6799f576b5093ae52901e6f7");
this.setToken("fdoa-a480ce8951daa73262734cf102641994c1e55e7cdf4c02b6");
```

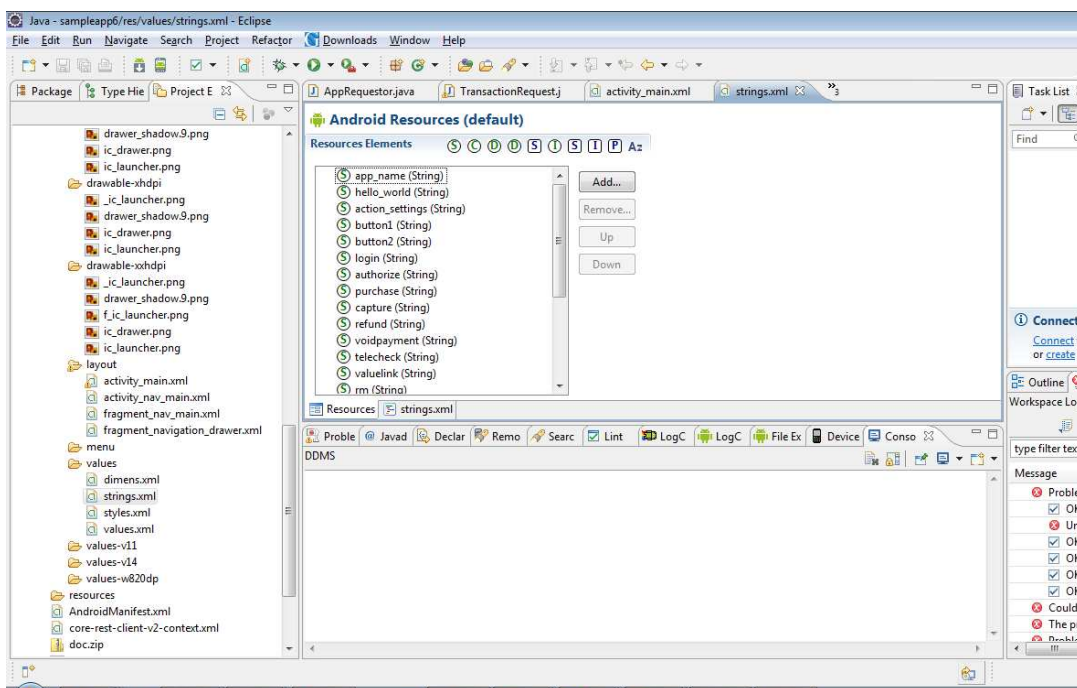
```
}
```

Download the latest android sdk from the github

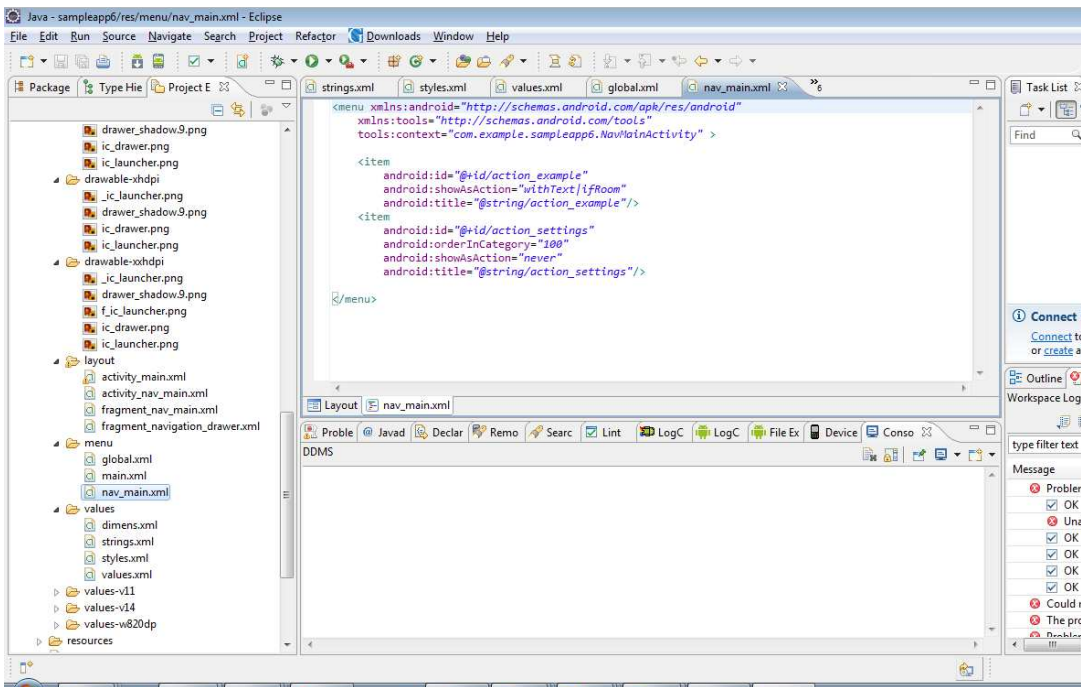
https://www.github.com/payeezy/payeezy_android/payeezy_android . Open/Import the source code with eclipse. Following picture shows how the source code looks like.



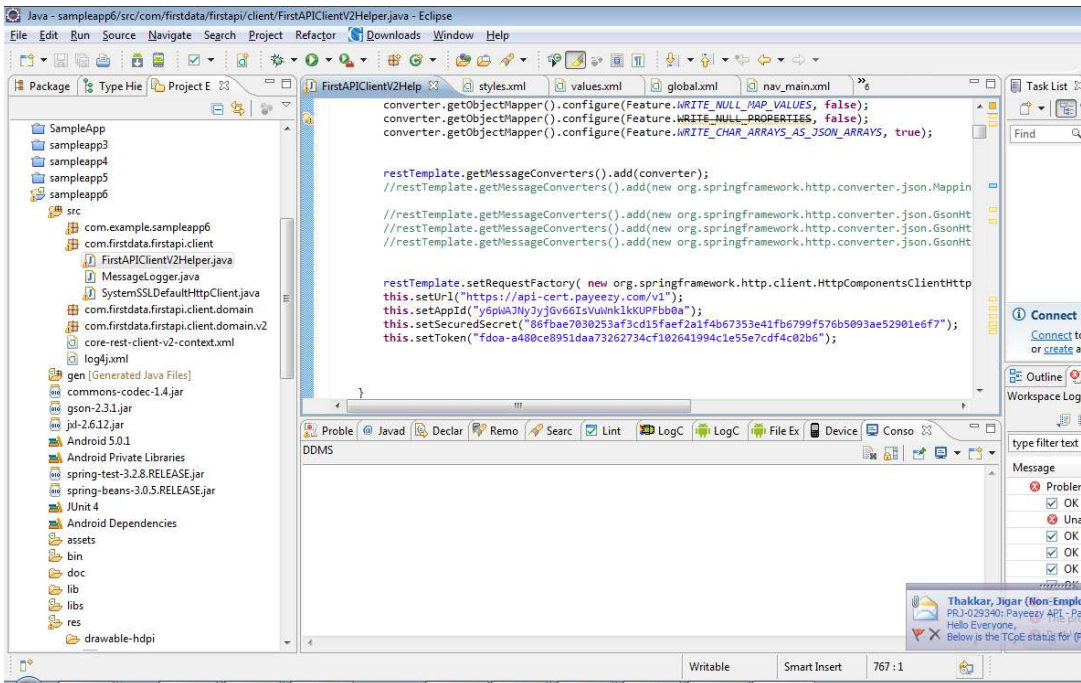
The next screen shows the various string value mappings used to show the screen text.



Following screen shows the menu options



Following screen shows specifying the apikey, secret and token specification.



Following is the sample code to specify the apikey, secret, token values. This code needs to be modified in the constructor of the FirstAPIClientV2Helper.

```
this.setUrl("https://api-cert.payeezy.com/v1");
this.setAppId("y6pWAJNyJyGv66IsVuWnk1kKUPFbb0a");
```

```
this.setSecuredSecret("86fbae7030253af3cd15faef2a1f4b67353e41fb67  
99f576b5093ae52901e6f7");  
this.setToken("fdoa-  
a480ce8951daa73262734cf102641994c1e55e7cdf4c02b6");
```

Following is the sample code to make payment. The apikey, secret, token values can be modified in each calls.

```
public String ProcessPayment(String appId, String secretId, String token, String url,  
TransactionRequest request)  
{  
    String result = "";  
    try  
    {  
        FirstAPIClientV2Helper clientHelper = new FirstAPIClientV2Helper();  
        clientHelper.setAppId(appId);  
        clientHelper.setSecuredSecret(secretId);  
        clientHelper.setToken(token);  
        clientHelper.setUrl(url);  
  
        TransactionRequest request=new TransactionRequest();  
  
        request.setAmount("1100");  
        request.setCurrency("USD");  
        request.setPaymentMethod("credit_card");  
  
        Card card=new Card();  
        card.setCvv("123");  
        card.setExpiryDt("1220");  
        card.setName("Test data ");  
        card.setType("visa");  
        card.setNumber("4012000033330026");  
  
        request.setCard(card);  
        Address address=new Address();  
        request.setBilling(address);  
        address.setState("NY");  
        address.setAddressLine1("sss");  
        address.setZip("11747");  
        address.setCountry("US");  
  
        TransactionResponse response = clientHelper.purchaseTransaction(request);  
        result = ((UserTransactionResponse)(response)).getResponseString();  
    }  
    catch(Exception e)  
    {  
        System.out.println(e.getMessage());  
    }  
    return result;  
}
```


Installation

To install the apk file directly on the android device, download the apk file on the android device from the network via github (<http://www.github.com>) or email. Touch it and it will ask for install. Select Install. It should get installed on your android device.

Click on various buttons to perform desired functions.