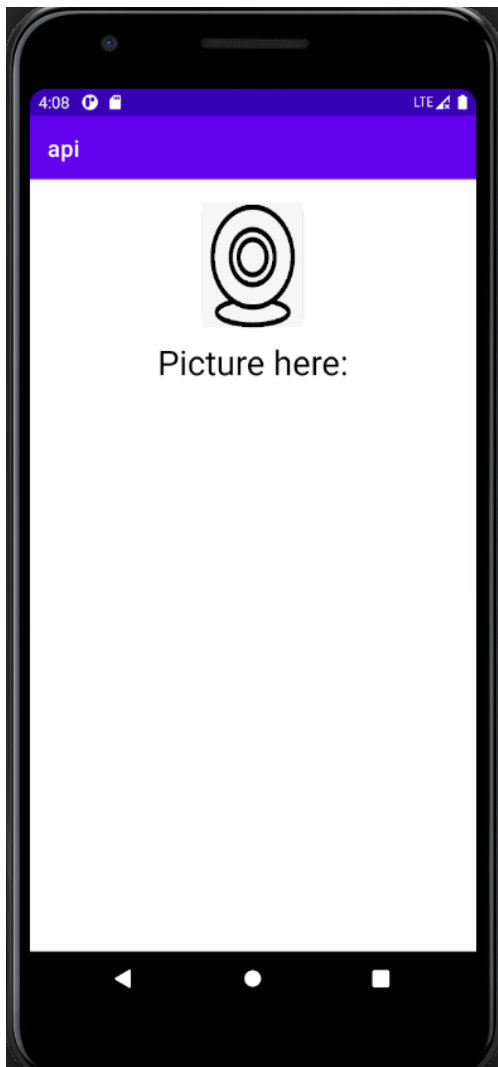
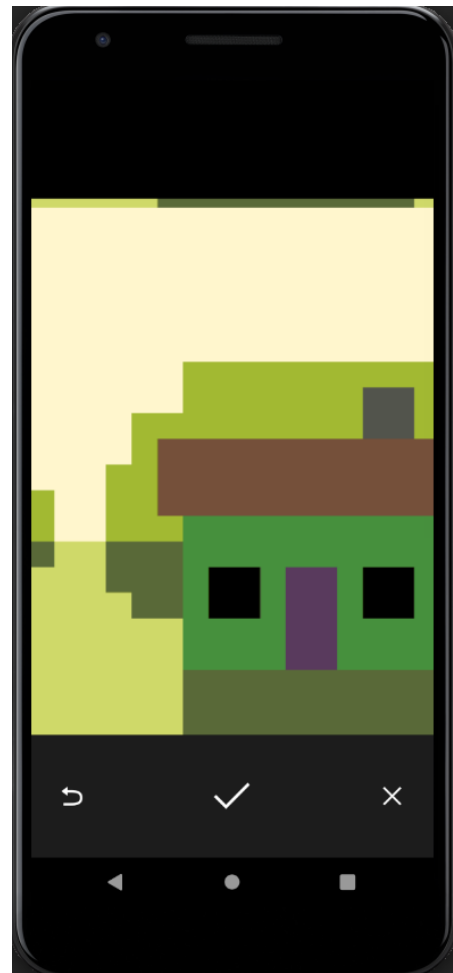
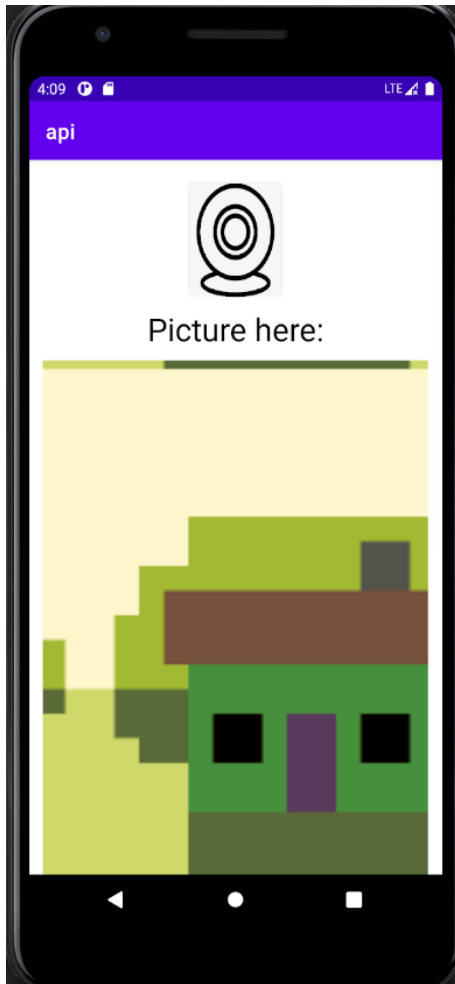


The main point of this app is to make the camera function work. There is a button with camera image. If you click on it, it will bring you to the camera activity. You can take a picture from the camera. After you are done with taking pictures, the final picture will show on the main screen under the text "Picture here:".

Pictures:





```
api - MainActivity.java [api:app]
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
api app src main java com example api MainActivity onCreate anonymous OnClickListener onClick
A... MainActivity.java activity_main.xml AndroidManifest.xml
app
├── manifests
│   └── AndroidManifest.xml
├── java
│   └── com.example
│       ├── MainActivity
│       ├── MainActivity.java
│       └── MainActivity.java
├── java (generated)
│   └── com.example
│       ├── BuildConfig
│       ├── camera
│       ├── drawable
│       ├── ic_launcher
│       ├── ic_launcher
│       ├── layout
│       ├── mipmap
│       ├── values
│       └── values
├── res (generated)
└── Gradle Scripts

package com.example.api;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

    Button button;
    ImageView imageView;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        imageView = (ImageView) findViewById(R.id.imageView);
        button = (Button) findViewById(R.id.button);

        //Ask for run time permission
        if (ContextCompat.checkSelfPermission(this, Manifest.permission.CAMERA) != PackageManager.PERMISSION_GRANTED) {
            ActivityCompat.requestPermissions(this, new String[]{Manifest.permission.CAMERA}, 100);
        }

        button.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent intent = new Intent(MediaStore.ACTION_IMAGE_CAPTURE);
                startActivityForResult(intent, 100);
            }
        });

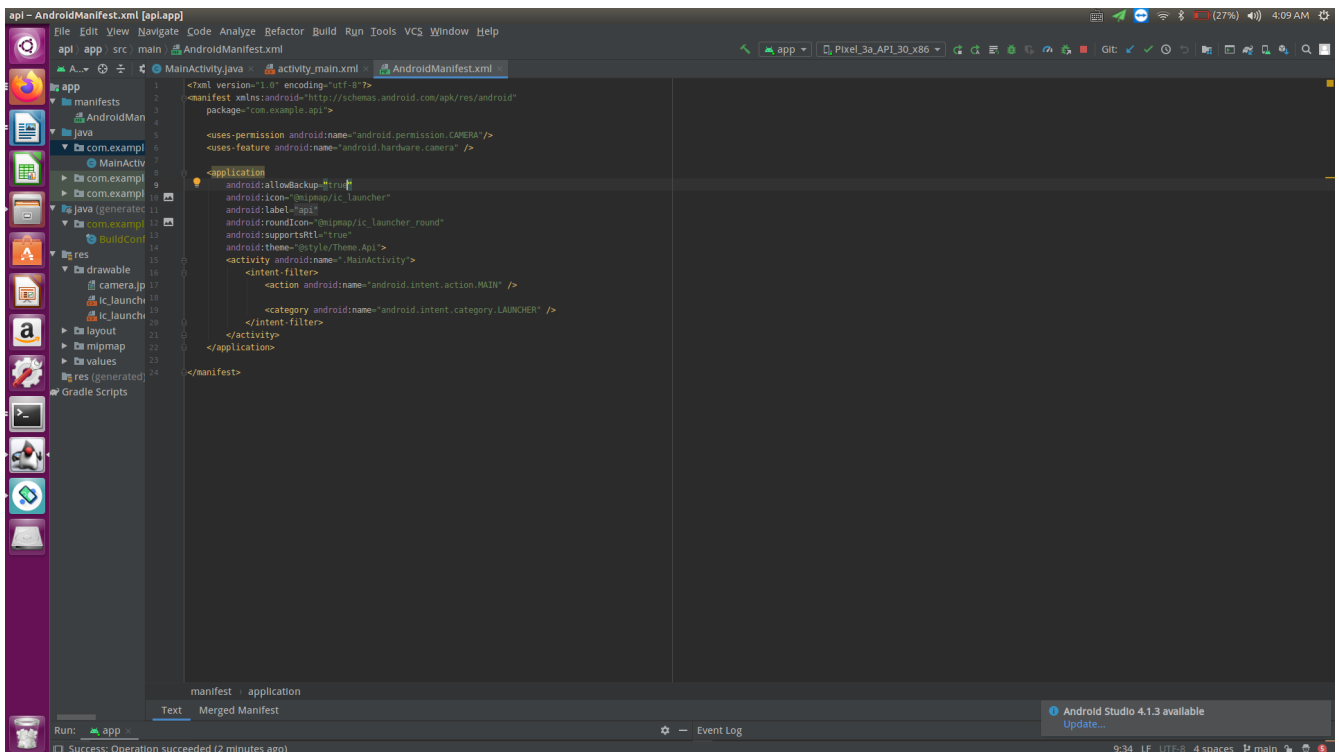
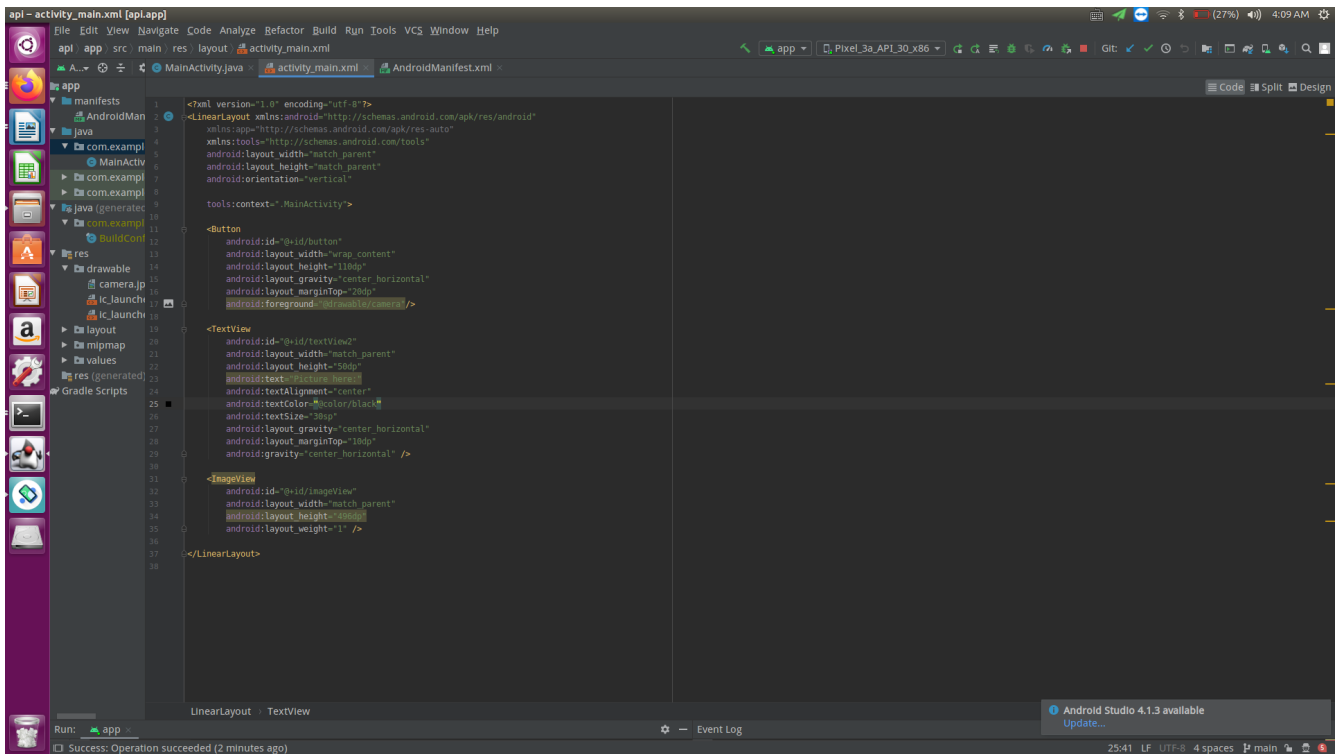
        @Override
        protected void onActivityResult(int requestCode, int resultCode, Intent data) {
            super.onActivityResult(requestCode, resultCode, data);
            if (requestCode == 100) {
                Bitmap bitmap = (Bitmap) data.getExtras().get("data");
                imageView.setImageBitmap(bitmap);
            }
        }
    }
}
```

Run: app

Success  
Operation succeeded

Android Studio 4.1.3 available  
Update...

49:77 LF UTF-8 4 spaces main



Git log screen shot:

```
betty@betty: ~/Desktop/Spring2021/441/cs441_APIs
commit 92327b2f2e85e5d468660059447f7e8456c4bc0a
Author: xzhan215 <xzhan215@binghamton.edu>
Date: Tue Mar 23 03:57:43 2021 +0930

    Configure app

commit b595716ec83a4eec2147d9fd2b33750e40ee0476
Author: xzhan215 <xzhan215@binghamton.edu>
Date: Tue Mar 23 03:41:14 2021 +0930

    some small changes

commit fa57a85e37049a371435e45cf7ebdd4fdd88ab9b
Author: xzhan215 <xzhan215@binghamton.edu>
Date: Tue Mar 23 03:35:08 2021 +0930

    manage about linear layout alignment

commit 27ac14f088370a43271b765fdbb704e7b5d4e9a4
Author: xzhan215 <xzhan215@binghamton.edu>
Date: Tue Mar 23 03:27:04 2021 +0930

    some changes but it seems there is something wrong
:
```

Here is Reference Link I used to write code:

<https://stackoverflow.com/questions/18207470/adding-table-rows-dynamically-in-androi>

<https://www.youtube.com/watch?v=oeo4g1JTztY>

<https://www.jianshu.com/p/ee603e1bf51f>

<https://developer.android.com/guide/topics/media/camera>

<https://stackoverflow.com/questions/5991319/capture-image-from-camera-and-display-in-activity>