

Saving Preferences

Screen 1: Choice

```
public class MainActivity extends AppCompatActivity {

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

    int whichCat = 1;

    public void cat1(View view) {
        whichCat = 1;
    }

    public void cat2(View view) {
        whichCat = 2;
    }

    public void cat3(View view) {
        whichCat = 3;
    }

    public void cat4(View view) {
        whichCat = 4;
    }

    public void cat5(View view) {
        whichCat = 5;
    }

    public void cat6(View view) {
        whichCat = 6;
    }

    public void next(View view) {

        //Save the cat picture preference to icon.txt
        try {
            FileOutputStream out = openFileOutput("icon.txt", Activity.MODE_PRIVATE);
            //Print out which cat
            out.write(whichCat);
            out.flush();
            out.close();
        } catch (FileNotFoundException e) {
            e.printStackTrace();
        } catch (IOException e) {
            e.printStackTrace();
        }

        //Start the new screen
        Intent i = new Intent(this, Main2Activity.class);
        startActivity(i);
    }
}
```



Screen 2: The Choice Appears

```
public class Main2Activity extends AppCompatActivity {

    int whichPic = 1;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);

        //Read in the preference
        try {
            FileInputStream in = openFileInput("icon.txt");
            whichPic = in.read();
            in.close();
        } catch (FileNotFoundException e) {
            e.printStackTrace();
        } catch (IOException e) {
            e.printStackTrace();
        }

        //Update screen
        ImageView catPicture = (ImageView) findViewById(R.id.catPicture);
        if (whichPic == 1)
            catPicture.setImageResource(R.drawable.cat1);
        else if (whichPic == 2)
            catPicture.setImageResource(R.drawable.cat2);
        else if (whichPic == 3)
            catPicture.setImageResource(R.drawable.cat3);
        else if (whichPic == 4)
            catPicture.setImageResource(R.drawable.cat4);
        else if (whichPic == 5)
            catPicture.setImageResource(R.drawable.cat5);
        else if (whichPic == 6)
            catPicture.setImageResource(R.drawable.cat6);
    }

    public void back(View view){
        //Start the new screen
        Intent i = new Intent(this, MainActivity.class);
        startActivity(i);
    }
}
```

