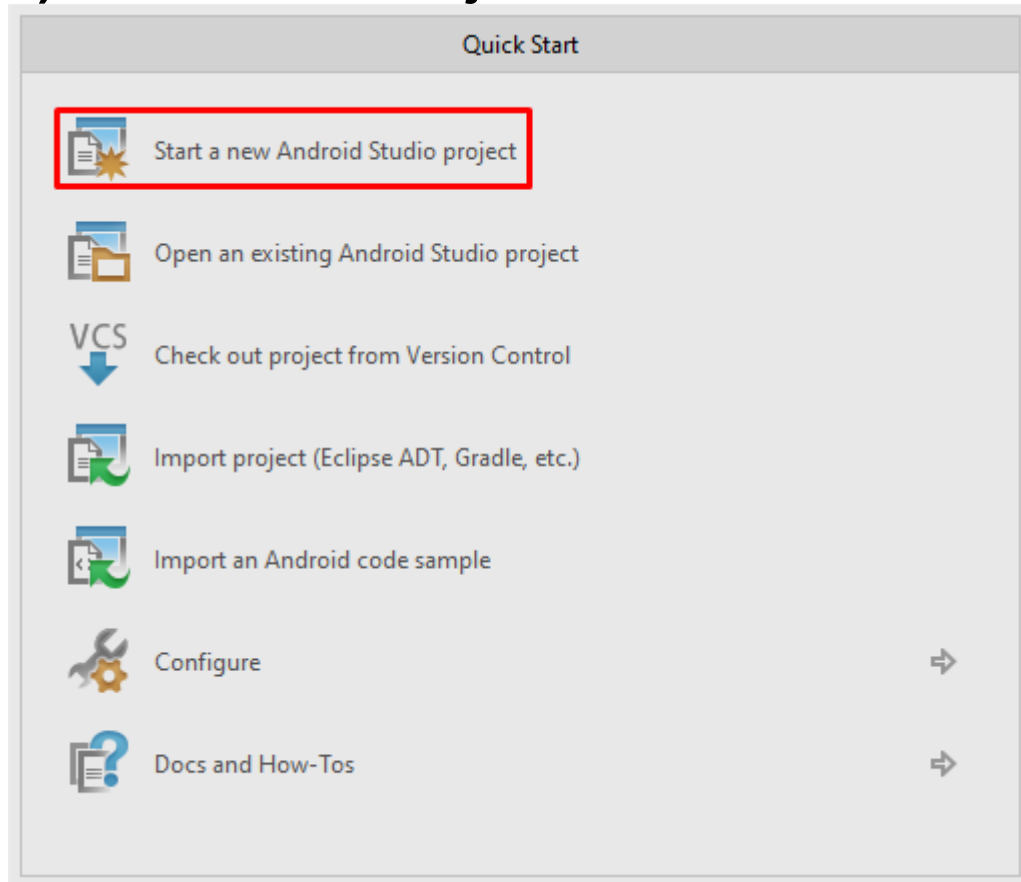# 1) Create New Project

1.1) Configure New Project

Application Name: MyScrolling1

Company Domain: notarazi.com

Package Name: com.notarazi.myscrolling1 (auto-generated)

Project Location: C:\Project1\MyScrolling1\ (auto-generated)

Create New Project

New Project
Android Studio

Configure your new project

Application name: MyScrolling1

Company Domain: notarazi.com

Package name: com.notarazi.myscrolling1

Project location: C:\Project1\MyScrolling1

1.2) Select Target Device

Create New Project

Target Android Devices

Select the form factors your app will run on

Different platforms may require separate SDKs

- ☑ Phone and Tablet

  Minimum SDK   API 15: Android 4.0.3 (IceCreamSandwich)

  Lower API levels target more devices, but have fewer features available.

  By targeting API 15 and later, your app will run on approximately **96.2%** of t that are active on the Google Play Store.

  Help me choose

- ☐ Wear

  Minimum SDK   API 21: Android 5.0 (Lollipop)

- ☐ TV

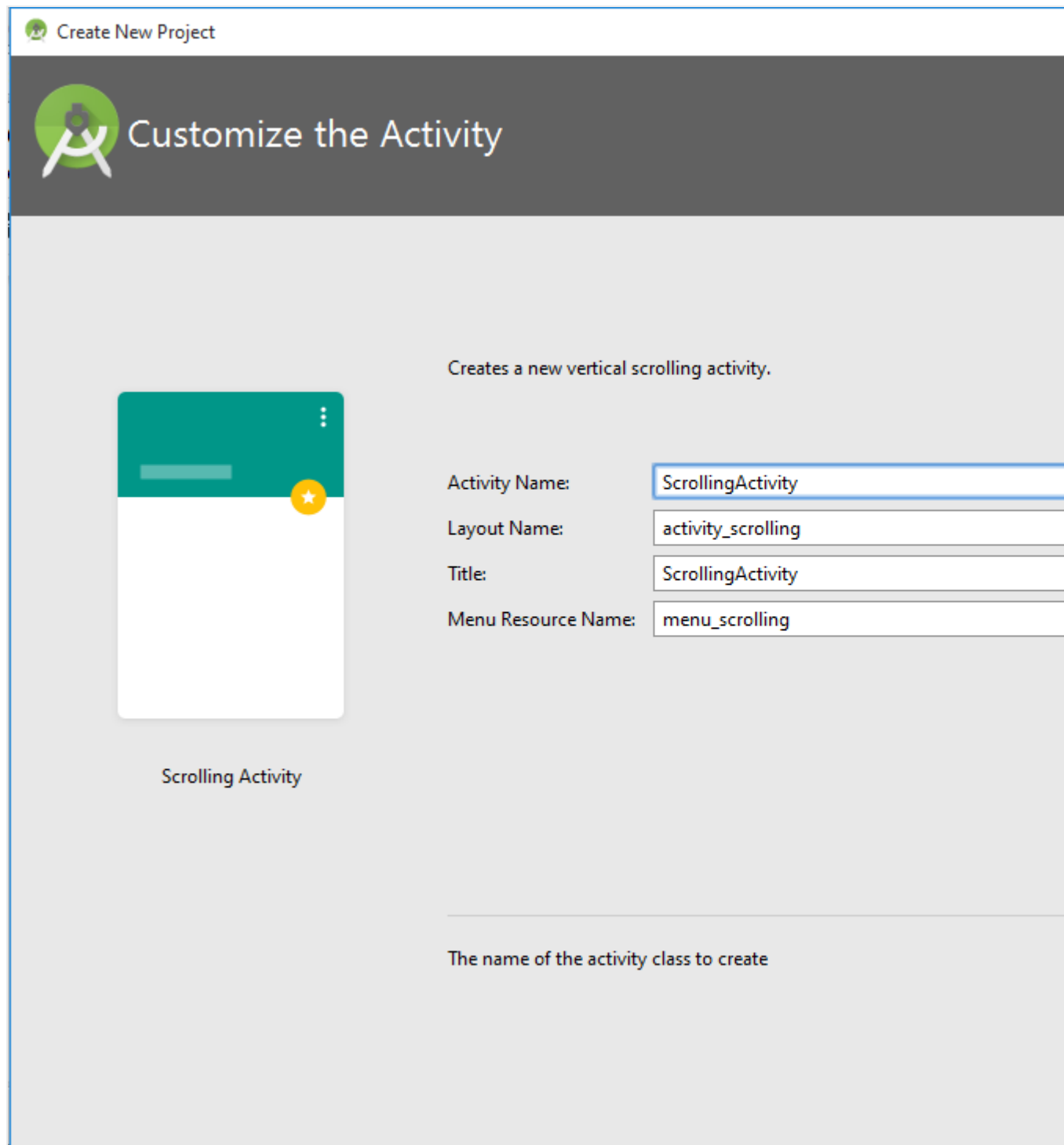 Minimum SDK   API 21: Android 5.0 (Lollipop)

- ☐ Android Auto

- ☐ Glass

  Minimum SDK

⟳ Looking for SDKs available for download...

1.3) Add Activity

Select Scrolling Activity.

Create New Project

Customize the Activity

Creates a new vertical scrolling activity.

Activity Name:	ScrollingActivity
Layout Name:	activity_scrolling
Title:	ScrollingActivity
Menu Resource Name:	menu_scrolling

Scrolling Activity

The name of the activity class to create

2) Observe the project codes
2.1) MainActivity.java

```java
package com.notarazi.myscrolling1;

import android.os.Bundle;

import android.support.design.widget.FloatingActionButton;

import android.support.design.widget.Snackbar;
```

```java
import android.support.v7.app.AppCompatActivity;

import android.support.v7.widget.Toolbar;

import android.view.View;

import android.view.Menu;

import android.view.MenuItem;

public class ScrollingActivity extends AppCompatActivity {

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_scrolling);

        Toolbar toolbar = (Toolbar) findViewById(R.id.toolbar);

        setSupportActionBar(toolbar);

        FloatingActionButton fab = (FloatingActionButton)
findViewById(R.id.fab);

        fab.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View view) {

                Snackbar.make(view, "Replace with your own action",
Snackbar.LENGTH_LONG)

                        .setAction("Action", null).show();

            }

        });

    }

    @Override

    public boolean onCreateOptionsMenu(Menu menu) {

        // Inflate the menu; this adds items to the action bar if it is present.

        getMenuInflater().inflate(R.menu.menu_scrolling, menu);

        return true;

    }

    @Override

    public boolean onOptionsItemSelected(MenuItem item) {

        // Handle action bar item clicks here. The action bar will

        // automatically handle clicks on the Home/Up button, so long

        // as you specify a parent activity in AndroidManifest.xml.

        int id = item.getItemId();

        //noinspection SimplifiableIfStatement

        if (id == R.id.action_settings) {

            return true;
```

```
        }

        return super.onOptionsItemSelected(item);

    }

}
```

2.2) res/layout/activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>

<android.support.design.widget.CoordinatorLayoutxmlns:android="http://schemas.android.com/apk/res/android"

    xmlns:app="http://schemas.android.com/apk/res-auto"

    xmlns:tools="http://schemas.android.com/tools"

    android:layout_width="match_parent"

    android:layout_height="match_parent"

    android:fitsSystemWindows="true"

    tools:context="com.notarazi.myscrolling1.ScrollingActivity">

    <android.support.design.widget.AppBarLayout

        android:id="@+id/app_bar"

        android:layout_width="match_parent"

        android:layout_height="@dimen/app_bar_height"

        android:fitsSystemWindows="true"

        android:theme="@style/AppTheme.AppBarOverlay">

        <android.support.design.widget.CollapsingToolbarLayout

            android:id="@+id/toolbar_layout"

            android:layout_width="match_parent"

            android:layout_height="match_parent"

            android:fitsSystemWindows="true"

            app:contentScrim="?attr/colorPrimary"

            app:layout_scrollFlags="scroll|exitUntilCollapsed">

            <android.support.v7.widget.Toolbar

                android:id="@+id/toolbar"

                android:layout_width="match_parent"

                android:layout_height="?attr/actionBarSize"

                app:layout_collapseMode="pin"

                app:popupTheme="@style/AppTheme.PopupOverlay" />

        </android.support.design.widget.CollapsingToolbarLayout>

    </android.support.design.widget.AppBarLayout>

    <include layout="@layout/content_scrolling" />

    <android.support.design.widget.FloatingActionButton
```

```xml
        android:id="@+id/fab"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_margin="@dimen/fab_margin"

        android:src="@android:drawable/ic_dialog_email"

        app:layout_anchor="@id/app_bar"

        app:layout_anchorGravity="bottom|end" />

</android.support.design.widget.CoordinatorLayout>
```

2.3) res/layout/content_scrolling.xml

```xml
<?xml version="1.0" encoding="utf-8"?>

<android.support.v4.widget.NestedScrollViewxmlns:android="http://schemas.and
roid.com/apk/res/android"

    xmlns:app="http://schemas.android.com/apk/res-auto"

    xmlns:tools="http://schemas.android.com/tools"

    android:layout_width="match_parent"

    android:layout_height="match_parent"

    app:layout_behavior="@string/appbar_scrolling_view_behavior"

    tools:context="com.notarazi.myscrolling1.ScrollingActivity"

    tools:showIn="@layout/activity_scrolling">

    <TextView

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_margin="@dimen/text_margin"

        android:text="@string/large_text" />

</android.support.v4.widget.NestedScrollView>
```