

## 搭建开发环境

## 1. 实训目的

- (1) 熟悉开发软件 AndroidStudio 各版本;
- (2) 能够熟练安装与配置 AndroidStudio3.0;
- (3) 熟悉 Android 程序的目录结构。

## 2. 实训要求

- (1) 下载 AndroidStudio3.0 软件;
- (2) 安装并配置 AndroidStudio3.0;
- (3) 完成实验报告。

## 3. 实训指导

(1) 下载 AndroidStudio3.0 软件

Android 官网:

https://developer.android.google.cn/studio/index.html

或者 http://www.android-studio.org/

- (2) AndroidStudio3.0 安装与配置
- 1) 安装欢迎页面



2) 选择安装组件



👅 Android Studio Setup	1	_		$\times$
2	Choose Components Choose which features of Android S	itudio you wan	t to install	
Check the components you install. Click Next to continu	u want to install and uncheck the compo ue.	onents you dor	n't want to	
Select components to insta	II: Android Studio Android Virtual Device	Description Position you over a comp see its descr	r mouse onent to iption,	
Space required: 2.1GB				
	< <u>B</u> ack	<u>N</u> ext >	Cano	:el

3) 设置 AndroidStudio 安装路径

漜 Android Studio	Setup		-		$\times$
2	Configuration Settings Install Locations				
Android Studio In The location sp Click Browse to	stallation Location ecified must have at least 500MB of fr customize:	ee space.			
C:\Program Fil	es\Android\Android Studio		Brow	wse	
	< <u>B</u> ad	k <u>N</u> ext	>	Cance	el

4) 选择开始菜单





5) 安装细节

🚈 Android Studio Setup	_		×
$\mathbf{A}$	Installing Please wait while Android Studio is being installed.		
Extract: NOTICE			
Show <u>d</u> etails			
	< <u>B</u> ack <u>N</u> ext >	Ca	ancel

6) 完成安装, 启动 AndroidStudio

🛎 Android Studio Setup	- 🗆 ×
	Completing Android Studio Setup
<b>B</b>	Android Studio has been installed on your computer. Click Finish to close Setup.
	Start Android Studio
<b>Android</b> Studio	
	< <u>B</u> ack <b>Einish</b> Cancel

7) 导入之前的设置,选择不导入

Complete Installation
Import Studio settings from: Custom location. Config folder or installation home of the previous version:
<pre></pre>
OK

选择第二项, 然后点击 ok, 出现下面的启动界面, 在启动的时候会弹出下图:





选择 Cancel, 然后进入到了 AS 的安装向导界面



8) 选择安装类型

Android Studio Setup Wizard	-		
Install Type			
Choose the type of setup you want for Android Studio:			
<ul> <li>Standard</li> </ul>			
Android Studio will be installed with the most common settings and options. Recommended for most users.			
○ Custom			
You can customize installation settings and components installed.			
Previous	Cancel	Finis	sh

9) 选择 UI 主题



Android Stur	dio Setup Wizard	- 🗆 X
Re Se	lect UI Theme	
<ul> <li>Intellij</li> </ul>		O Darcula
📬 module	> 🖿 src > 😅 HelloWorld >	🔁 module 🛛 🖿 src 🛛 🚭 HelloWorld 🖉
{ C Hello	World.java ×	G HelloWorld.java ×
	ort java.swing.*; ort java.awt.*; lic class HelloWorld { public HelloWorld() { JFrame frame - new JErame("Hello wor JLabel label = new JLabel(); label.setTont(new Font("Serif", Font label frame	<pre>import java.swing.*; import java.swing.*; public class HelloWorld { public HelloWorld ( JFrame frame = new JFrame("Hello wor JLabel label = new JLabel(); label.setCont(new Font("Secif", Font label.setCont("Secif", Font label.setCont("Secief", Font label.setCont("Secie</pre>
		Previous Next Cancel Finish

10) SDK 组件安装

🕐 Android Studio Setup Wizard	- B X
SDK Components Setup	
Check the components you want to update/install. Click Next	
<ul> <li>Android SDK – (installed)</li> <li>Performance (Intel &amp; HAXM) – (installed)</li> <li>Android Virtual Device – (installed)</li> </ul>	The collection of Android platform APIs, tools and utilities that enables you to debug, profile, and compile your apps. The setup wizard will update your current Android SDK installation (if necessary) or install a new version.
Android SDK Location:	
DASDK	
	Previous Next Cancel Finish

这里需要指定 SDK 的本地路径,如果之前电脑中已经存在 SDK,可以指定 该路径,后续就可以不用下载 SDK;我这里演示本地没有安装过 SDK 的场景, 这里暂时可以指定一个后续将保存 SDK 的路径;

🕐 Android Studio Setup Wizard	👝 🗉 🔯 🕐 Android Studio Setup Wizard	
Rissing SDK	Verify Settings	
No Android SDK found. Before continuing, you must download the necessary components or select an existing SDK.	If you want to review or change any Current Settings:	
	SDK Folder: D:\SDK	
	Total Download Size: 967 MB	
	SDK Components to Download: Android Emulator Android SDK Baild-Tools 27.0.1 Android SDK Baild-Tools 27.0.1 Android SDK Bailtorm-Tools Android SDK Tools Android SDK Tools Android SDK Tools	147 M8 522 M8 627 M8 931 M8 149 M8 339 M8 339 M8
Previous Next Canc	SDX Patch Applier v4	Previous Next Cancel Finish



点击 Finish 后,开始自动下载 SDK (注意,此时需要保证电脑联网)



10) 下载完成 SDK 后,点击 Finish 进入 AS 的欢迎界面

🕐 Welcome to Android Studio		
Android Studio		
🗰 Start a new Android Studio project		
🚟 Open an existing Android Studio project		
🐥 Check out project from Version Control 🗸		
Profile or debug APK		
💕 Import project (Gradle, Eclipse ADT, etc.)		
💅 Import an Android code sample		
	& Configure 🗸	Get Help 👻