CS468 – Project Stage 5

Android Studio

Overwiew

☑ **User Analysis**

☑ **Task Analysis, Domain Analysis**

☑ **UI Design Process**

☑ **Low Fidelity Test**

☒ **Computer Prototyping**

What is Android Studio?

– **Android Studio** is a cross-platform development framework for creating Android Applications.

– **You can test it on**

On Mobile

or

 On the Desktop (Simulator)

Android Studio Application Framework

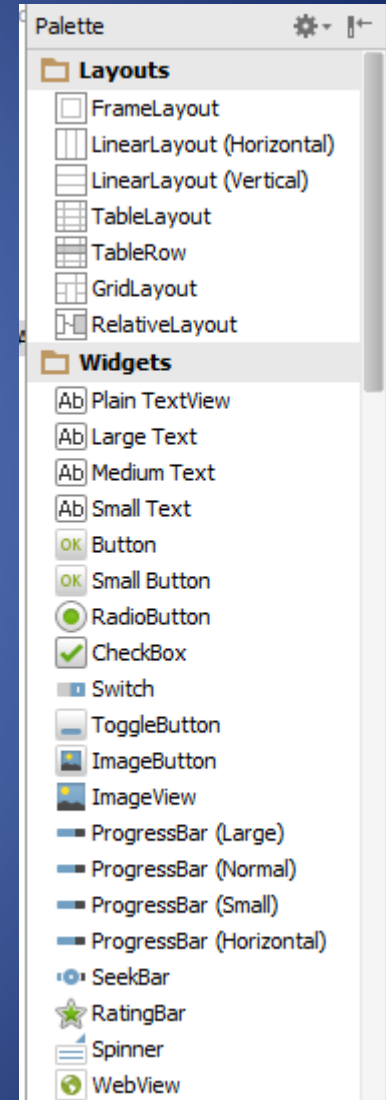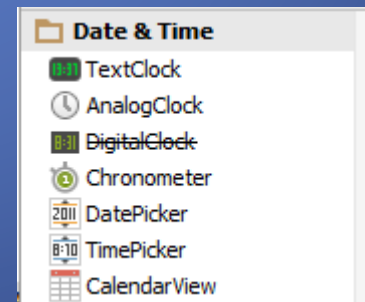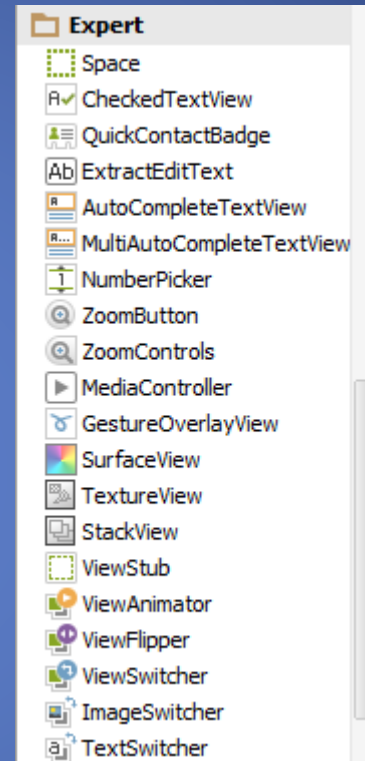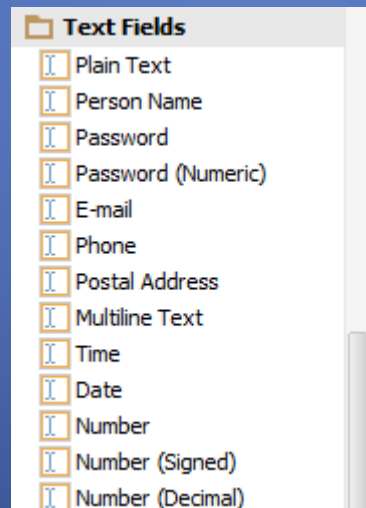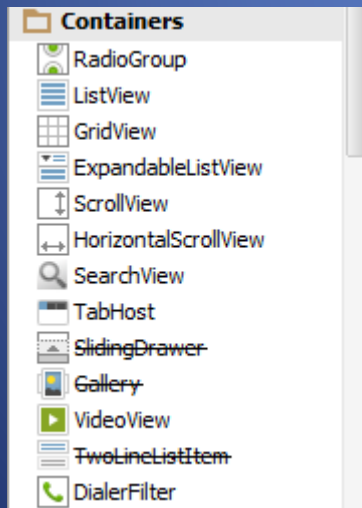- **An Android Studio Application is built with the following 2 languages**

» XML

— for creating the User

Interface

» Java

— for event handling,

data management etc.

Where to start?

Download Android Studio and get familiar with UI components and other features.

Expert
- Space
- CheckedTextView
- QuickContactBadge
- ExtractEditText
- AutoCompleteTextView
- MultiAutoCompleteTextView
- NumberPicker
- ZoomButton
- ZoomControls
- MediaController
- GestureOverlayView
- SurfaceView
- TextureView
- StackView
- ViewStub
- ViewAnimator
- ViewFlipper
- ViewSwitcher
- ImageSwitcher
- TextSwitcher

Palette

Layouts
- FrameLayout
- LinearLayout (Horizontal)
- LinearLayout (Vertical)
- TableLayout
- TableRow
- GridLayout
- RelativeLayout

Widgets
- Plain TextView
- Large Text
- Medium Text
- Small Text
- Button
- Small Button
- RadioButton
- CheckBox
- Switch
- ToggleButton
- ImageButton
- ImageView
- ProgressBar (Large)
- ProgressBar (Normal)
- ProgressBar (Small)
- ProgressBar (Horizontal)
- SeekBar
- RatingBar
- Spinner
- WebView

Containers
- RadioGroup
- ListView
- GridView
- ExpandableListView
- ScrollView
- HorizontalScrollView
- SearchView
- TabHost
- SlidingDrawer
- Gallery
- VideoView
- TwoLineListItem
- DialerFilter

Text Fields
- Plain Text
- Person Name
- Password
- Password (Numeric)
- E-mail
- Phone
- Postal Address
- Multiline Text
- Time
- Date
- Number
- Number (Signed)
- Number (Decimal)

Date & Time
- TextClock
- AnalogClock
- DigitalClock
- Chronometer
- DatePicker
- TimePicker
- CalendarView

Resources

Android Studio

http://developer.android.com/sdk/installing/studio.html

http://developer.android.com/design/index.html

Android Studio Tutorials

http://www.i-programmer.info/programming/android/5887-android-adventures-getting-started-with-android-studio.html

http://www.raywenderlich.com/56107/make-first-android-app-part-1

Video Tutorials

https://www.youtube.com/watch?v=ZddHwDYqyIw

https://www.youtube.com/watch?v=bZED-zRwny4&list=PL4Q_xfWUU_76-j3BTakkV3PcKs4I3v4cE

Android General Tutorial

https://www.youtube.com/watch?v=2q7XGuH2Q-s

What is expected for PS5?

- **Implement 4 risky tasks**

- **Use Android Studio features (components and interaction techniques)**

- **Use direct manipulation (drag, drop…etc.)**

- **Use Google Nexus 4 as test device**

Submission

Deadline :

14.04.2013, 23.59

- **Submit: using Dropbox or Google Drive**
- **GXX.zip**
  - **Project folder, containing all files**
  - **Contributions in a text file**

Questions?
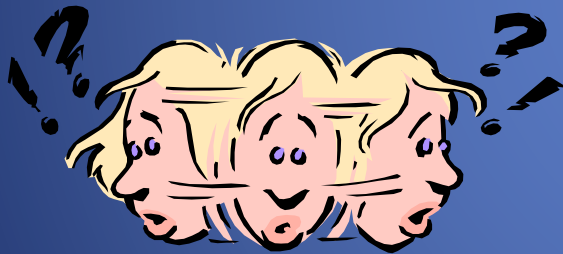
TYPICAL APPLE PRODUCT...

TOUCH

A GOOGLE PRODUCT...

FIND

YOUR COMPANY'S APP...

STUFFTHATHAPPENS.COM BY ERIC BURKE