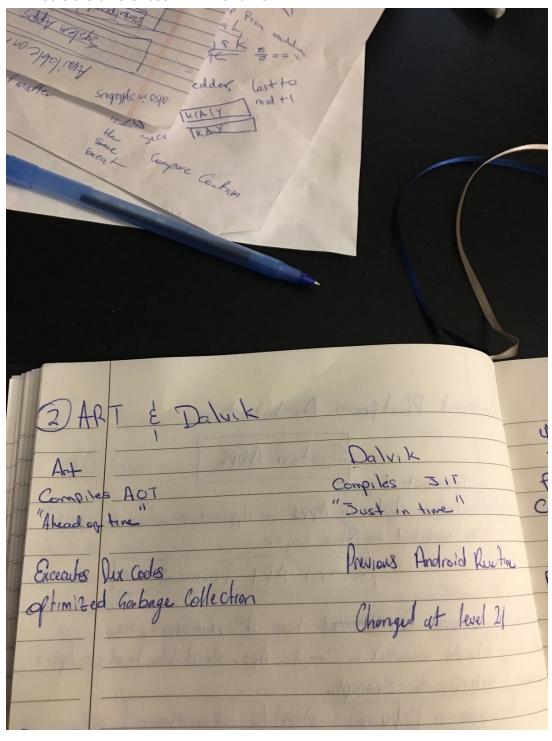
1. Define the following design principles: Singleton, Factory, Builder, Facade, Prototype

i. Deline the folic	owing design principles. Singleton, Factory, Builder, Facade, Prototype
L)	Singleton 18 a class that Can have only one object
At To 10	at a time of the the constructor private
HENSE	- write a static.
2	factory Sava is one one of Creational
	Ale point is to tell with the Creation of and in me without the client needing to know implement
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Boumple	6 Albert 1 haling to Warterbarber to picking to that
Oppe	by Step Process to Construct a Complex t as a finished product.
This	Makes sur different representations Can be ed from the some objects
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Abstract clas & interface Use Spring Fromework Site Lesources Static Cade analysis Lint does this Prototype - Pupose is to hide Complexity or Making were Edits. instances from Client. The Concept is to Copy on Existing object instead Creating one. Facade Pattern of hiding the Complexity of a system and Exposing it in a simplified way

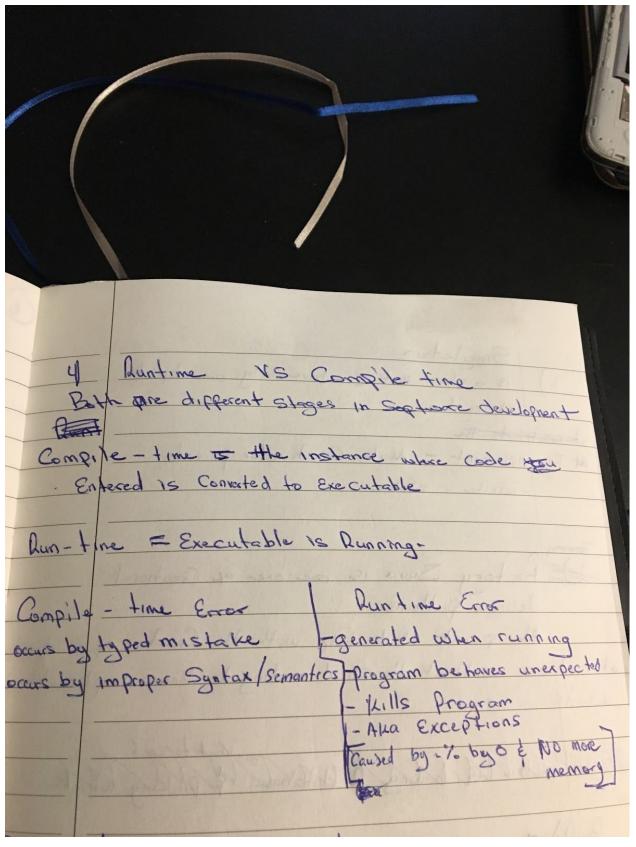
2. What is the differences in ART and Dalvik?



3. What is the android manifest used for?

3. What is the android mannest used for?
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Android Manifest Nodes for Activities, Services, Broadcast recievers, Content Provide Nodes Nodes The Luses Intent Filter & Permissions
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Nodes Activities services somethis receivers Content provide
Deben Control Control of Permissions
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4. Define the difference in Runtime and Compile Time.



5. How does each of the following units of measure for view work: sp, dp, px, pt, in, mm

5. How does each of the following units of measure for view work: sp, dp, p	x, pt, in, mr
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And obta Measurement	
PX - (Pixels) -> actual pixels or Dots on Screen	
In- (inches) - Screen size	
mm-(millimeters) -> Screen 31ze in millimeters	
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Pt- (points) - 1/72 of an inch	
dp - (Density - independent Pixels)	-104
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6. Describe what each section of the Android Platform arch. Details.

Android Platform Architecture
Topmost Layer Apps
Includes Android Apps - Applications are written to be installed on this layer Soura API Pramework
this layer to form bibr has API stat form the Building blacks needed + Create Aps. Available to developer!
Activity manager triew System [location Manager]
Alatine C/C++ Libraries ART - android Runtine Previously Datrik
Can use open to L to add more Support (by Execution DEX Piles (Bytecode) - (AOT) (\$17) Compilation
Factor bage Collection
HAL Hordware Abstraction Layer Commerca Blue tooth gensor
Provides Standard interfoces that Expose device hardware Capabilities Linux Kernet
ART reties on this for Handerling Functionalities. Such as threading & Low-level Mem management
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7. What is reflection in JAVA?

8. How does gradle work behind the scene.

