Module - I

Introduction To Android (An)

- * Android is a slw package & linux based os for mob devices such as talelet comp & Smart Phns.
- * Developed by voogle & later the otiA. (opu Handset Alliance).
- * Java lang is mainly used to write the and void code evn though other langs can be used.
- * open source (source code is visible to public Ee can be edit)
- * Anyone can customize the (An) systm.
- + There are a lot of mob applied that can be chosen by the congumer.
- * It provides many interesting features like meaths details, opening screen, etc.
- + categories of (An) applim:
 - · Entertainment net pline, Amazon prime
- · Common whisapp, telegram
 - · Productivity 1 google drive , proof hule
- · personalization wall papers, Lauches
- · rugic El Audio Mx player, Youty be music
- · social media & video -> FB, quetragram.

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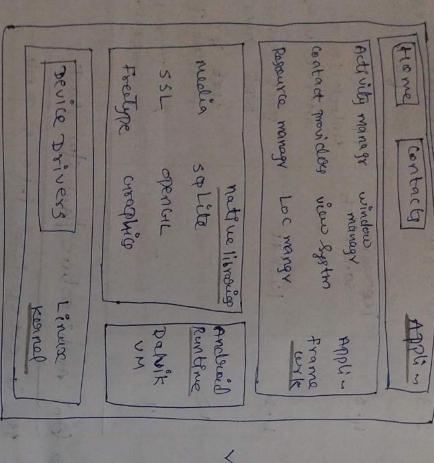


Fig: An Architecture

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management, my management, obevice management
is suspensible to a case

2) Native Vilonaguage

playing & recording andio & video)

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3) An) Runtime:

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(Dadvik vintual Machine) which is

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Yesppensible to run (An) appli

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* Dalvik um takes the generalial Java de

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4) An Francowsk.

* In chudes (An) API'S like UI, thephory,
reforming, GC, content providers. &
provides a lat of ches & interfaces by
An) appli- churcher mont.

5) Appli -:

enthe top of (An) framwork, there are apply.

* All apply- like home, contact, Settings,

games, frowsers are using An framewith

that uses (An) reintime to lilean ries.

An) runtime te native librarius are

=> (An) Java packages:

* and roll app - implements appli- model for (An).

, and vaid app admin - provides device administran patients at the systm und

a county like google, Ft.

andried datalease - contain class to explose data returned through a contact provident andread animation - to apply animation for diff objanimation - to apply animation for included.

andraid text - provides text processing class

envennt (IDE) for (An) app development.

Based our intellis IDAE, a Java IDE

=) Components of (Am) / Sundamited composity:

There are some necessary building
blocks that an (An) applin consist of

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Heartground process that you run by

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a love thus board to remote source to

local service is accessed them within

the appli- whomas remote source to

J G + music running our same device

4 public class serviceName extends Service [-)

Liputation class View Name extends Views I UI elemnt like ben, label, toutfuld, etc I Anything that you see is a view.

1) Intent: Huseel to invoke comparants Promoster inter-opphin was -parting Hused to start the service, launch an activity, display a male of. trame wrt.

5) contat provides:

I used to manage & persist the appin Is should be a sub-ds of cis data also typically interacts, with

pulseic cis componente extends exporter pulseic void our (seate () []].

fragmots on the streets at same time

1) Andoired Manifest -xml

Gentains into alcout activities, List is like webram like in Java EE

=> (An) virtual device (AVD):

* It is an emulator configuration that we can configure the AND by specifying Simulating the real device capabilities.

AND manage enaloses an easy way of onesting a managing the AVD with the hardware & s/w aptions.

- UNO to window - AND manager Excellent virtual stys to occate an AVD from AVD managr graphical intrface -

oral map d'unités comesternes grantimas - Clicken New to Greate a virtual device Rosand some diante as alors). give it some mane to relect target dick on 'Great AVD' Eque que done. an platform from the top doop dun list

-> Str of (An) Applian : - Applian who you * It is controlled by I nethods of ob andread app. Anchivity cls. (An) activity is the Sulects of control Themesurapper cls. i) Andraid ranifest, xm - (An) defaither file. 10) Proguesol-project. Ext. 8) project, projecting, 6) res - 5 tonolo for pasource files. 5) 1865 - contains private libraries 4) Andraid 4-2-2 - (An) tonnework library is 2) gen - Storney by therenated Java Websey, 1) src - Stands for source code, contodys 3) objects - used to Store raw affect page tool hue a pre-defined str with lade (An) applies in Ediple (in any development Some companents -Java 80 vorce biles Stored here.

(A) start language + language + language | language + language + language + language + language | language + language + language | language + l 3) On pause -* 7 lifecycle methods -5) enstap -1) on cheate -1) ow Destroy 1 6) anguestant 1) On Bourse STEP CE Control madrey Contro who partnews wrother visitale to the user. called who A is not visitele called who activity (A) is on pertant Called why A) will start called why A) & no longy first Greated interacting with the usen vigilable to the user Called ofter yr A a

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