Andraid Menus

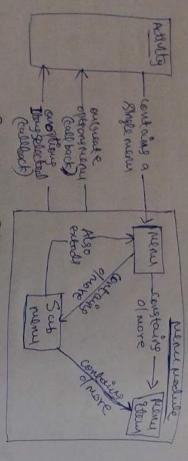


fig: Menu Stx

* news are a common on user intrface component in many types of appli
* The key cly in (In) nemy sport is and raid,

meny stemy one regressited by android. view.

view. Submenus are represented by android.

Attributed of name -> 8 thing totale

Howard James -> 8 thing totale

Howard James -> 8 thing totale

Howard James James Can grip menus

The James to other by assigning each

To grip to

4 Sort orde - orde of this mene

esting a neur resource for a few resons.

- passion to visualize the menu 8tr 6xml
Allowed to cheate alternative menu
antig watery by diffint versions,
source Sizeretc.

grande refine the mener, greate an XML bile clamit

the mean items, to must be the root nade for the file be can hald I more ritains to Agramps element.

a single item in a menu.

· <grand> : pythonal, invisible contains by

* ABB QL Amenu V

10th anied = " file" />

Totam an itstle = " greats new" />

an; Plan = A retrace to a double to an; Plan = A retrace to a double to an should appear as an action this stem & hould appear as an action of this stem & hould appear as an action.

- Balsa sa Depties meny: handling click funt (user any menum chiefs whether user selects on item from aption nearly the system cally a estivities is This nethad passes the menuttern calecter * trimary collection of menu stems for an supplient tunselected O nethod. to make a option near, we need to overriate ancests options mener() methade search, Lettings, compase smail rete. It's where you should place actions that Java obj) the menutile. I'm menutile. hue a glossed impact on the app tike used to inflate (convit our xml file into Doverside pulelic bealean on vector they meny meny - numer inflation = * get run Inflation inflatos. inflatos (Rimenus menut file money) Movesta our inflater obj yeturn true! to get alequentle ¿ DONE SAND overide defends: case Rid. 11: return false;

getternid () method (return unique id

ownde um)

11 handlo stone (Menustrystemselected) & 11 handle otens salection (1) {

Morton any action, actions

* The user perform a long click arran element the user perform a long click arran element 2) Combeach reall: I a long pross tout

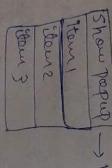
Juledie void on march lendret mener Contentence mence , View V , Construence trato menciales 5-yes, on breato (onterchilas) # nearly vy nequality)

who user selects a mener items the extro calls delegate ancenterthen selected minimilates inflater = getren inflation (entlater. Inflatos (R. moner, mener file mener) 1 gnflate

3) John menn:

invoked the mener. disploys list of stony in a nextical list that's anchored (anshorn) to the view that

for actions that quietle to specific contrate



Show paper) -> by dicking show the object of the object of

public void pap (view v) ? aniid = - butten " our furty, on: Ih ~, anitact: "bt" our enclids = " peop" />. Jelindin Jeling I Wan "inflates, inflate (R. news, monet Doguption (this V)

file , a pap up . get maner ())

paparanto (); Ounternition dide ()

* working with near gros:

Contain of more itemy that share specify whether all items are eneckable Enalale dispalate all theny with Retweenphinist 8 man / hide all thomas with set monthy blue! with Retensupherheckatele ().

* eg - / menus

amile s an: 1 con = " menu save"

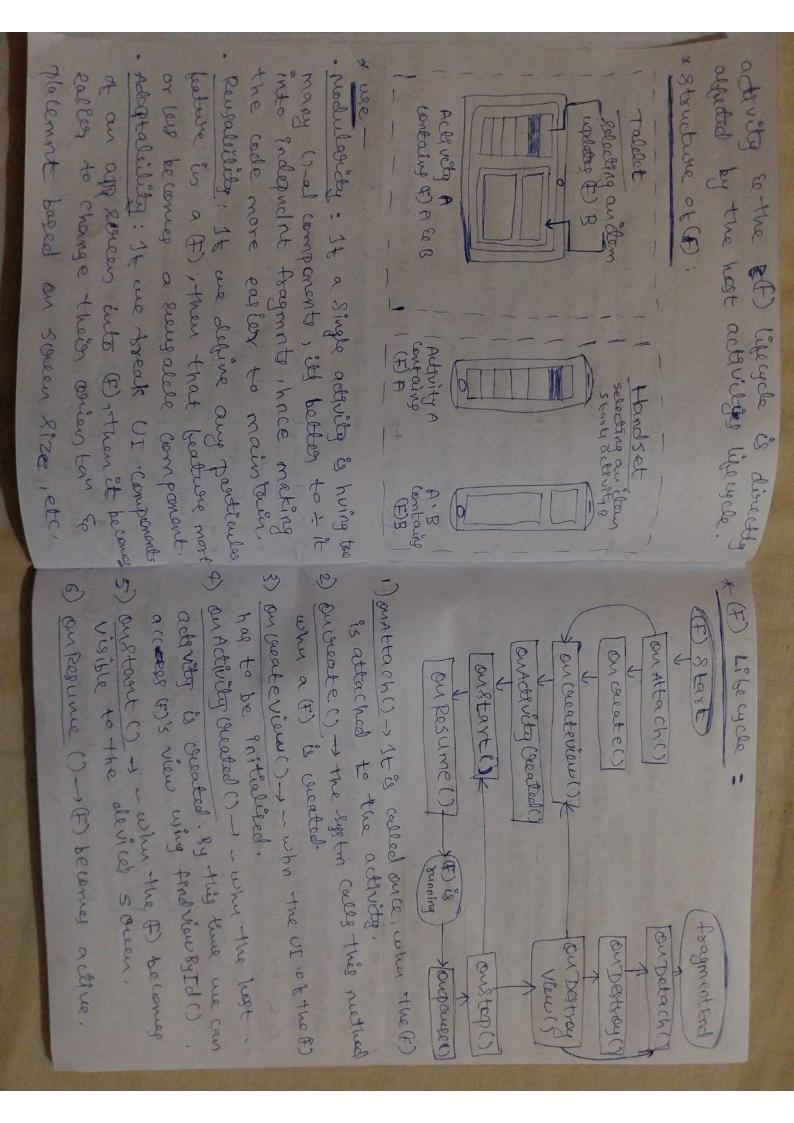
< group antid 1 pour our iso our; tetle an: title -

< grants >

=> pegpanding to menu iting = Intent by using the menuitum's nether Let Intent (Entent). 1/menus

1) Sule menu: I gold action bens I I can Monu: of our ritums. by adding < menus elemnt as the child By (meners now xml tile in yx projects res money offred can be added to our stern in any men in options menu. And return element for each them you want to include in the action ban. ment icary are graphical elemnts placed can be set in xMI file using -To add actions to the action tax, oreato 1 Clary an: title = "Add (ontacts "/>. an: d 1 day 1 versus on i'd an: title ... へいません owild ~ an itale and of III Dynamic menu: which has its own lifeyed in an - Fragments in (A): (1) * To occate Dimenus, use emprepare options LE & seuse a tragment in multiple Peprosits a behaviour la eptien of UI in activities. preserves asea much more than A static never will him all its itemps vigitable all the time without need to A dynamic mene, will olighten the though Static meney. only when it's dicked. dick the menu to display the items inside it. 1 menus ~ Charan 1 react used to prepare the Standard often

anital - 1



Interactive to the user & ale & no long bave the F).

e) enstop () - who the (F) is no long,

visite.

(a) on the first clay of F)'s State

New Jetach () - - ist bere the (E) & detaction from the host activity.

* (Greating a F):

. The a A) als which extends the cls (A) quate the (F). necessary methods to

ou occate view () call back method.

The provide of Example entired Fragrament ?

pulatic view on one deview (bayout Inflator return inflater in flate (R. loyout // Inflate the layout for This and Sundle saved 19 tances total ? trample frogents container, House

> contrainex - & the porat viewarp win which of) layout is inserted.

inflate() - 3 and + I I sweller ind or the layout should have the inflated layout should the inflated layout should

our name = Com andereid. Fragments.

changment>
con: l-h - a: l-w - />
con:name -> & pecifiées (A) obs to (restantiate)
con +the large ut. Atrigo your can specify this tragments ingish unworking out by specifying

* (F) Manager :

manipulate several of the at the same manages (A) in (An), specifically it handless interaction and be sported with the

* It includes add, remove pectologo (F), (F) transaction in An).

* O transactions sether (E) Back Stack commet the transaction.

Activity 2

user pressed back by

*(E) do not added to the stack by defently call add ToBack Stack () bore calling commit en transaction.

Saving (F) State:

* It comes under the Us (F). Squeal state. (F) hue a ousawe instance state() method to be sound, which is called when their 8 take needs

*persignt (f):

the system not to distroy the F. (An) does so that applie can reloo who are activity starts aft to seem Es quattached. the activity to be destroyed a remedent after the user rotates the scheen, anding its presonance based on the new configure Ratain Instance from cour les us red to ask

x optional target afor this A

a Bundle - Activity can construct of & so 3 evoys a (1) & a activity can communicate Ret asy

b) methods - Activity can call methods and

c) L'estener (F) can five listances evote on an activity via an interface D' instace.

× 002 () 5

* Launch a new activity from (F) D Start A college () = agt must always signly a roll cade-2) set Target (5) () Som times, your want to get a roll back the top of the activity stack. when an activity must, it can setposult (int) egy you may stock an a chiving that late from an activity com Stort Activity (intent) used to Start a to return clava back to the new activity, which will be placed at of contacts, who it ends, it returns the terien that was relected. RESULT CANCELED RESULT_OK, RESULT_FIRST_USER

*Startantsvity for Result () Staleugher Settlanget () defines the called quelationship b/w 2 (F). a gulation the b/w 2 activities

1) Using Dialogo in (Am) 1

- A divileg is a smaller window that paps up exit not, etc. input I to show some sort of states like wight meg, to trampt a user tora nice of in Frent of the cont window to show a progress of a churchard, do you want to

Dialogs that are explicitly syntal in (An) include the about, prompt, pick-list,

are Asynchronous in (An), which provides multiple-chaice, pragress, set c

ferility.

normally used for model evots.

I Dialag (F):

* It is a utility do which extends the F its of supplays (shows a Dealog by inside

on Guate Dialog (none you can gueste the

Dialog using a custom view defined). or on onesteriem (home you can break of Alout Dialog using the Aleut Dialog, Buildy of

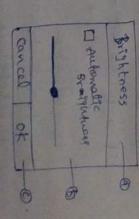
Building an Albert Dialeg:

3 regions of alvet dialog

2) content asiea - display a neg, a list ortible - optional & should be used only a detailed my a list wstam by constant languart.

3 Action bery - Those should be no more [OK, cancel, newtown extraor (hemaind no loter)] than 3 action bens in, a dialog 3 different action stry -

a) the Juse this to a cupt & continue B-ve- use this to cancel the action. Oventral - use this who user many not want to proceed with the action.



* 3 kinds of lists .+ * A traditional Single-chaice Lit A persistat multiple-chaice list (checky) Action Bax =

I working with Teast:

(meg sad severand 'seveling message ...

A toost provides Simple beedback allow

* Toust automatically disappear after a st only first the amount of space quencing visible & interactive.

takes 3 pasamters - applin contrat + of westing of the last

* 9 - Contract antent - get Application Contact! Toust tougt - Toust-maketput (contout int duration = Tough . LENCHTH_SHOPT; Charlesprent text = "Hello tragt"; () may 5. I lead tent, duration);

near the bottom of the scheen, continued A standaged trast notifican agrass norgountally.

The set Gravity (int, be charged mits

batter uses intractions a experience by sprting easy navigation through today (drag-It is our imp olegism elemnt, usually at the top of each scheen in our app, that provides

= Shorts

allows you to austomize the tille bain

Sprt for navigan & view Switching. Access to impactions in a predictions way

they are available on any device. Most recent features are added to the

Protected void oncreate (Ruelle Savedont)?
Super on Great & (Savedont activity my);
Set Content view (R. layout activity my); Toolbar nybar - (Balbon) And vacusyld Setsupport Action Bros (mybor);

This nother Rets the tradbon of the of

I Topped Navigation action to addivity:

social, providing navign to other screens.

* Talky are mest appropriate for 4/femen

Sileling society.

* The user can top a tab to see a diffint soney

Previous
Tayl Tays Tays

*Tablayout used to implement horizontal tabs.

~ Tablayout. Tab instances.

* To display tab, you need to add it to the loyaut via 1 of the additab (Tab) netherly

Tablayout via 1 of the additab (Tab) netherly

Tablayout tab = (Tablayout) And viewpyld

tab.addtab (tob. newtrab (), seleText. ("Tab (")),

Thorough the use of Tablogout

Thorough the use of Tablogout

Toom goeste anclusied motorised to tablogout

our : L-h = "an-e" & >

Clomigacyle. andraid, material, telep.
Clomigacyle _____
Clomigacyle _____
Alonigacyle _____
an: "loon = "Poblemontele / iconic"/

Add a listner using addontal selected listener (outabsolicted listener be notified when any table selection stock has been changed.

I Debug textimo layant:

allows them to each tit.

Attributes—

an: hint, an: gravity, an: fontamely, HI-18+ word of each

an: markteight, an: markunistr,

an: preservord, an: phonenumistr,

emy coord api
an: preservord, an: phonenumistr,

an: posservord, an: phonenumistr,

emy coord api-

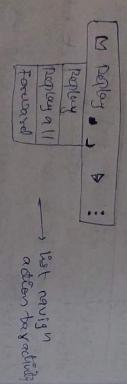
> List navigation & action bar with ist navigan mode follo-things one readed-

the a spinner Est data. The bridge of the provided a quick way to Releat

2) List listanoy:

outeur click 135 tens outeur click ();

depends on the implem " of the app.



* Standard novige action bors activity:

* Talusced listenby one used to set up the talusced action bors & list listeneys are used by setting after list novige action or a standard action bor, those are no listeness other than the men callbady.

* To implement s. a bar we pell—lade—action or action bor. Let Navigation made (a steenbar. Navigation made (a steenbar. Navigation made (a steenbar.

1 Action both & Search view:

to add a scarchview whyset to the operator, contate a file named restructul apprend number project to add

< "then anited
anited
anited
anited
anited
anithed - "Search

anishow AsActeon = From />

1 Action view (R) : Journe 1000

← search... X

an: Shouts totion - defined hur a never item show.

Should be desplayed on the action box.

of the only it there's enough space on the action box.