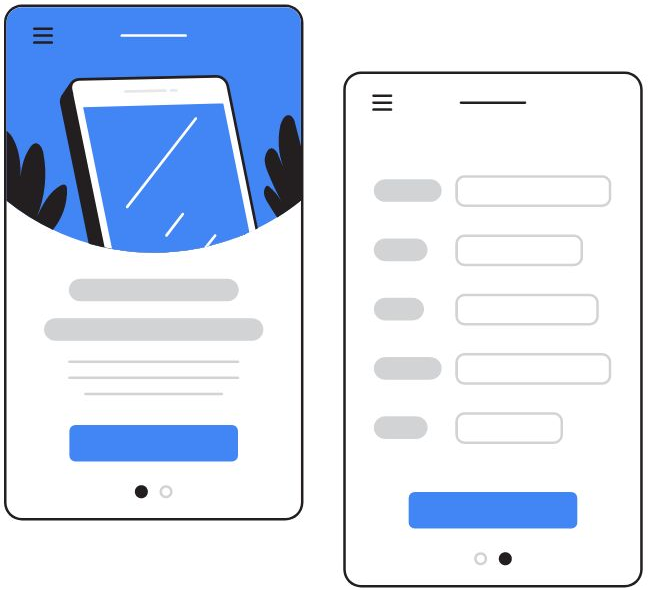
Android Study Jams

Become an Android Developer

Developer Student Clubs KIET

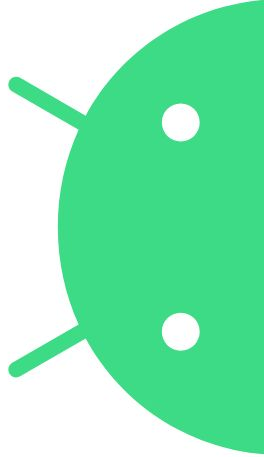
Android Study Jams

Day #4
Multi Screen Apps



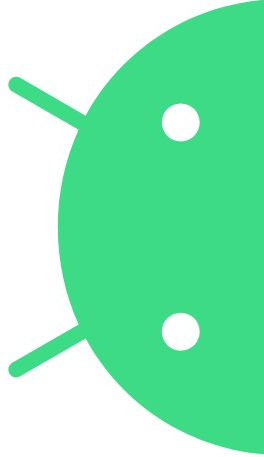
A small recap..

- ScrollView & Nested ScrollView
- Exploring Kotlin Programming Language
- All about Buttons and Toasts
- Improving our Birthday App



Learning Objectives

- Intents & Activity Transitions
- Types of Intents
- Post Learning Aggression



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All about Intents

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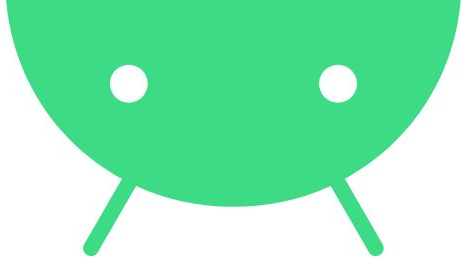
3 Basic Quests



Why do we need Intents ?
What are they ?
How to use them ?

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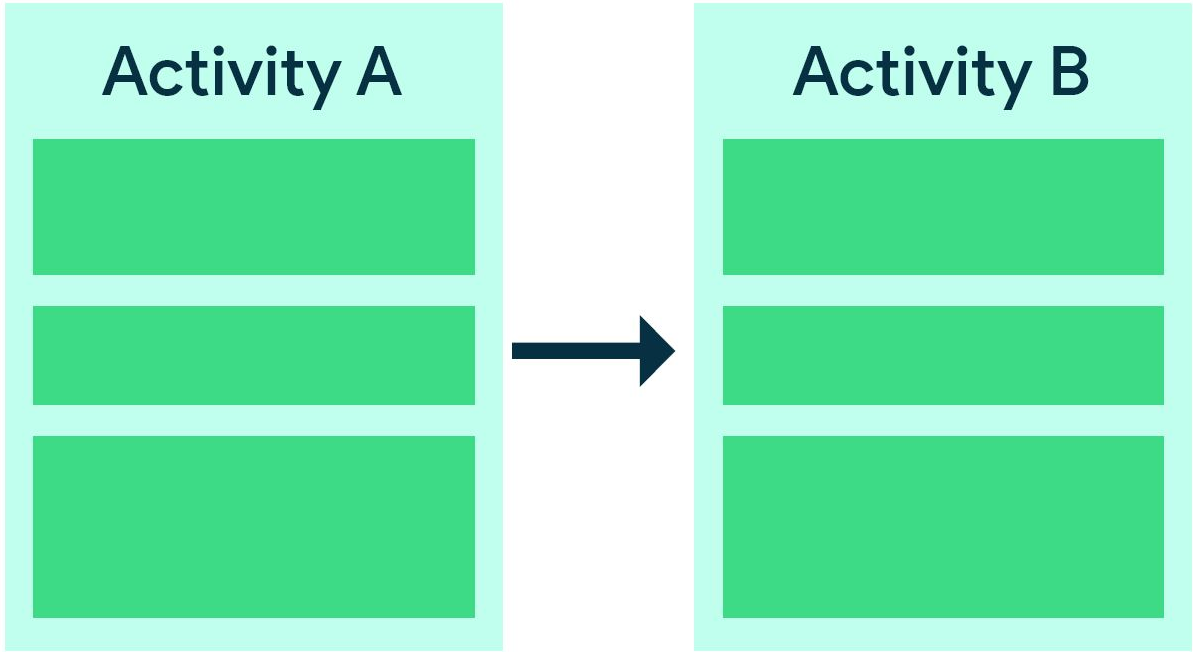
Inter Activity Transitions — A Simple Use Case for Intents



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What Intents really are ?

Official Android Developer Guides define an Intent
as a messaging object that you can use to request an action from another app component.

They facilitate communication between components in several ways.

An Intent to launch another Activity – Introducing multi screen Apps

(i) Create an Intent Object by defining context of current activity and the class name of target (or destination) activity.

(ii) Call startActivity() and pass intent object you created in step (i).

(iii) Call finish() to destroy the current activity.

```
class MainActivity : AppCompatActivity() {

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        val intent = Intent(this, TestActivity::class.java)
        startActivity(intent)
    }
}
```

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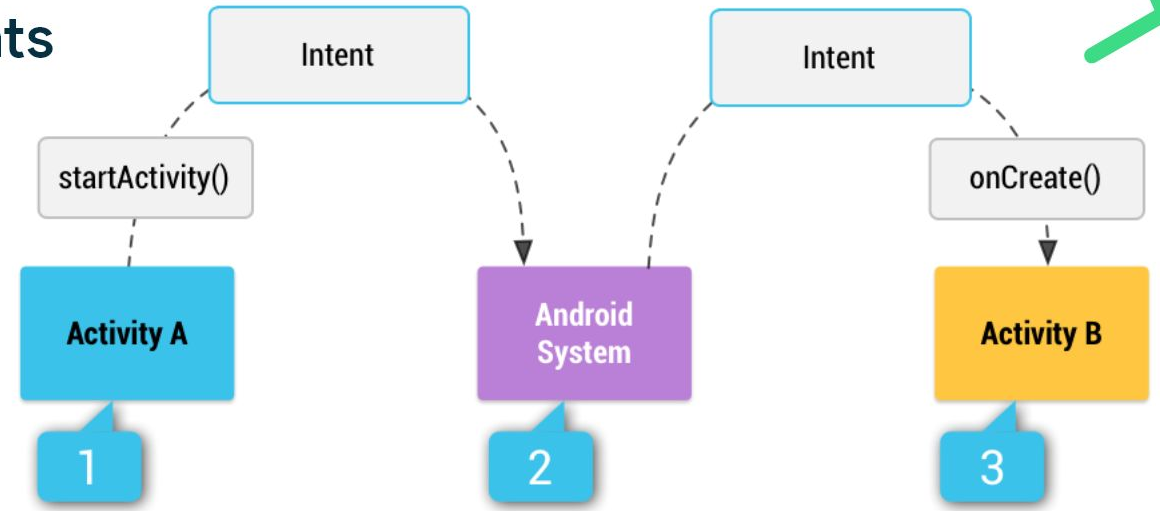
Types of Intents

- Explicit Intents
- Implicit Intents



[How an implicit intent is delivered through the system to start another activity]

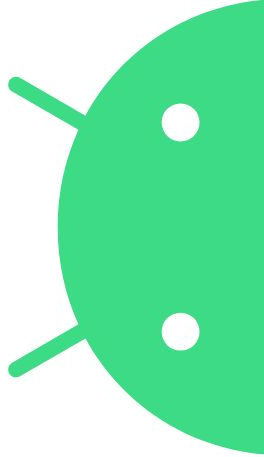
Passing values with Intent

```
val intent = Intent(this, TestActivity::class.java)
intent.putExtra("KEY", "VALUE")
startActivity(intent)
```

Activity A

Activity B

```
val value = getIntent().getStringExtra("KEY")
```



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Post Learning Aggression

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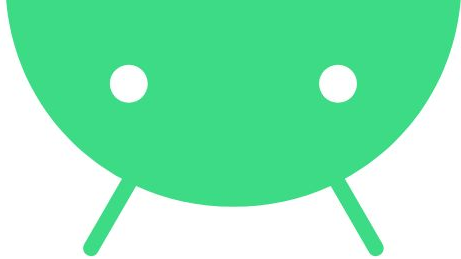
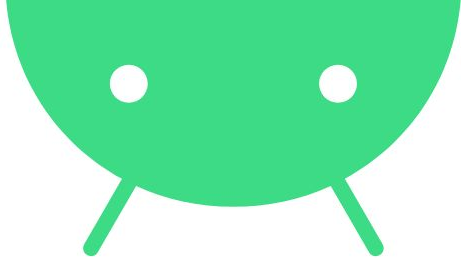


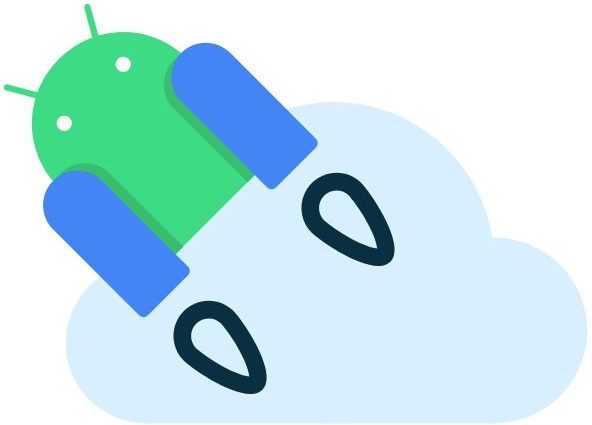
Objective #1

Develop a multi page app that shows 3 options : LinkedIn, Instagram & Twitter with a Button in front of each option. On click of these buttons, navigate to a new page.



Objective #2

When you arrive at the new page, the user needs to enter their handle name for that particular social media account that they would like to view. On click of a button, open their social media profile in a browser.



Some Motivational Stuff ahead

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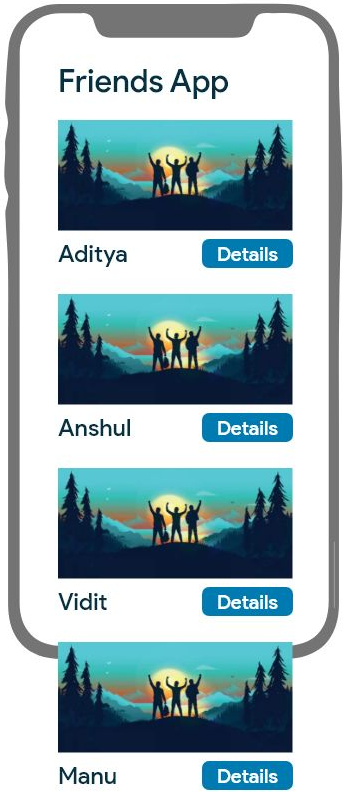
Assignment

Complete this task and get rewarded ☺



Friends App

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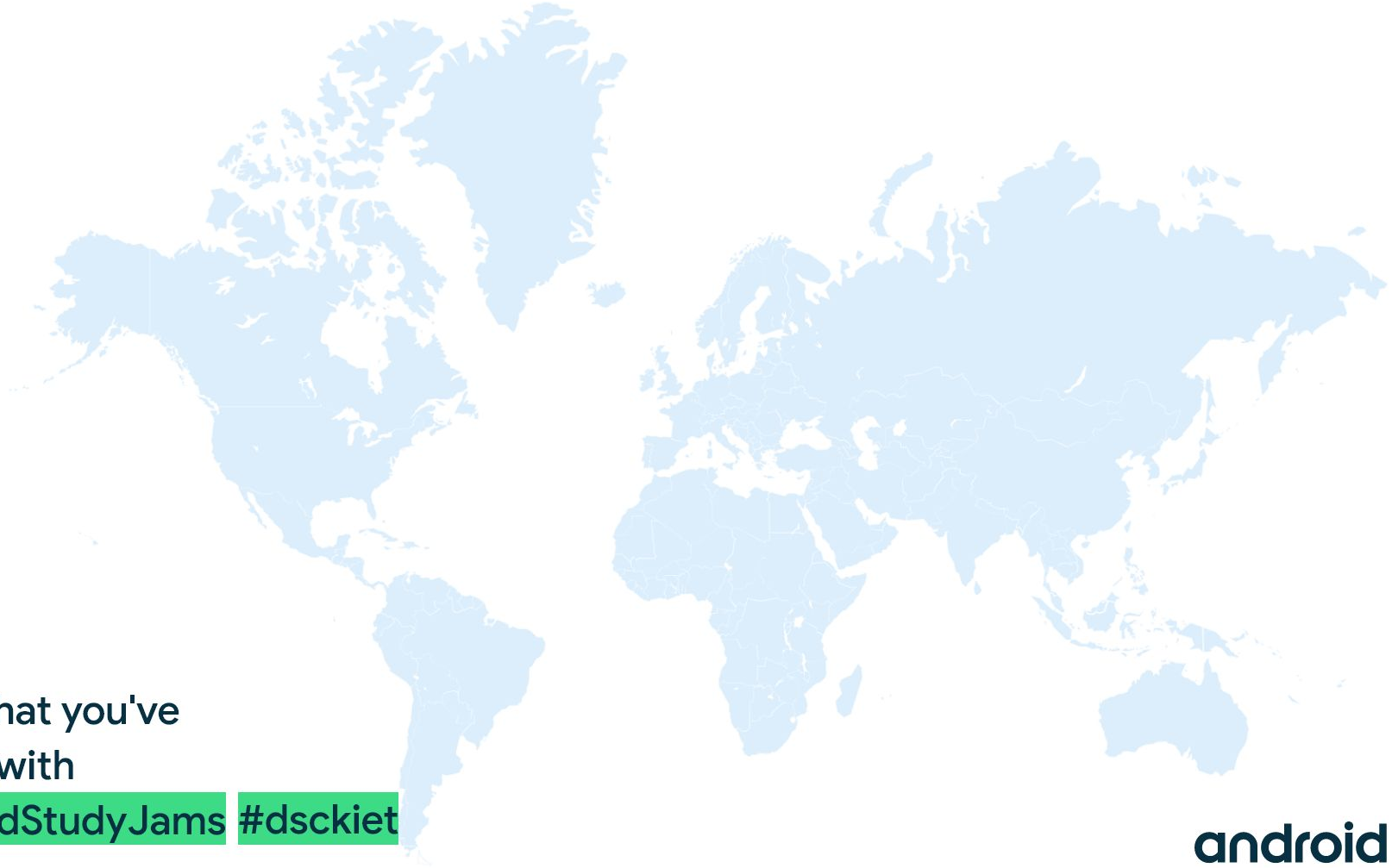

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