



Exercise session 2

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Are you set up?

Do you have android studio installed?

Have you created and ran your first project?

If not yet, please do exercise 0 first, to set up your environment

Install Android Studio and Have “Hello world” running on your phone:

<https://goo.gl/6tx6nh>



Let's Begin

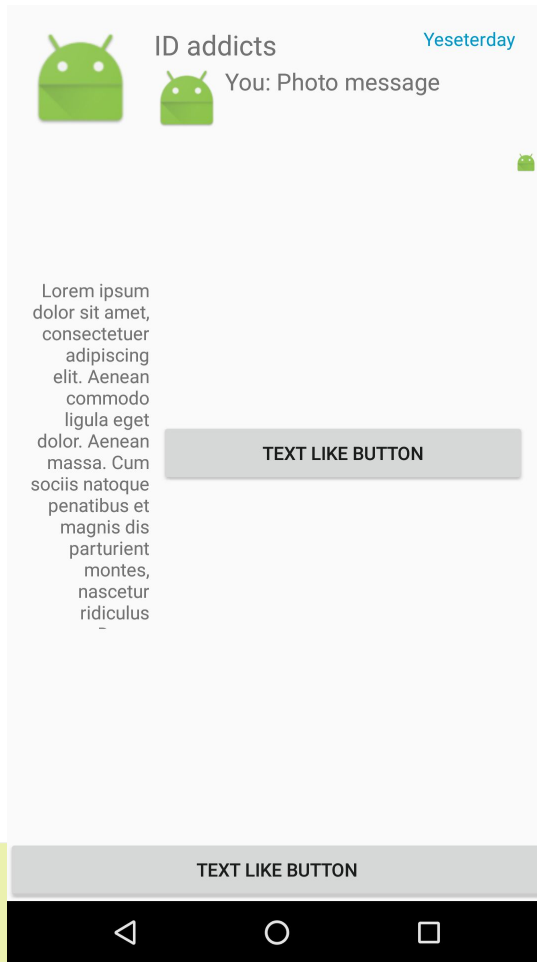
You can always use <https://goo.gl/4BvZ5Y> as a reference! :)



Exercise Overview

We'll play with different layouts which were described.
The focus this time is on creating a complex layout using what we've learned so far.

Go to the next slide for specs...



Exercise Overview

If you wish you can go a bit advanced and replace images with the sample avatars using [tools](#) namespace.

Only for preview in Android Studio

Otherwise you can skip this slide

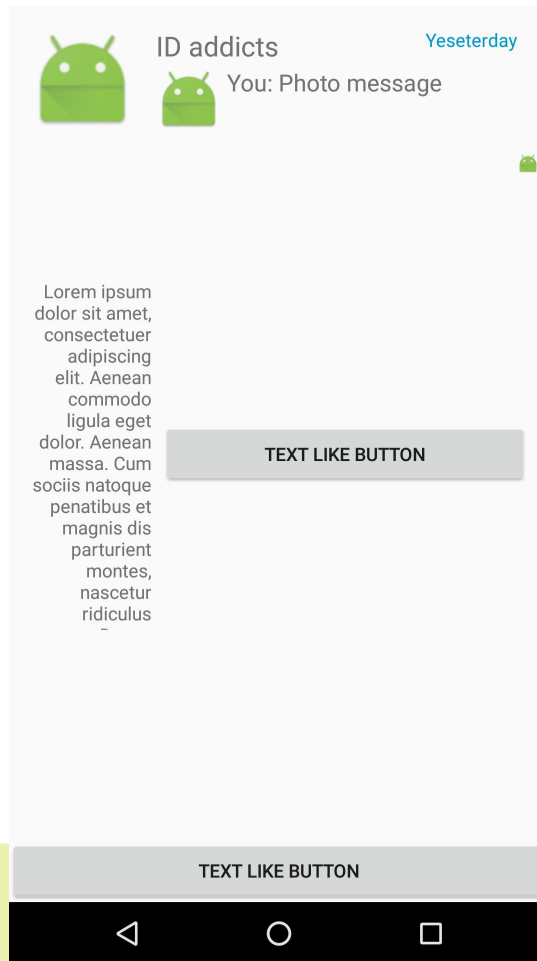


Specs

Default generated image
"ic_launcher" in drawable

Random text which has $\frac{1}{3}$ of
the whole width and button is
the rest

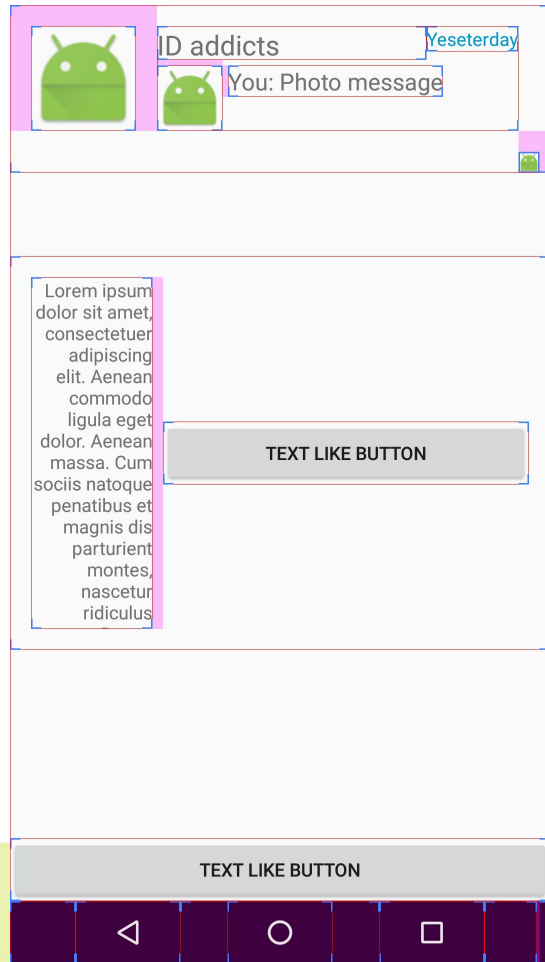
Clicking on the button
should launch a browser
displaying minsk page on
wiki



Building the layout

Tips:

- Try and break the layout into smaller, more manageable pieces.
- Think - what are the relationships between the different Views on screen? (ex: "View1 is to the right of View2"). What are the boundaries of each View?
- Plan → code → review. Repeat as needed.
- Use both RelativeLayout and LinearLayout as needed.



Launching the browser with specific URL

In our previous exercise we used an **Implicit Intent** to launch Email application.

Open an Email App

On the lecture we used **explicit intent** to open a specific activity which we created, and we have an access to.

What happens when we want to start an activity which doesn't belong to our app?

And if we want to open any activity which does a certain type of action, i.e, all activities that can send an email, or take a photo, or call a number, or navigate.

We can use **implicit intent**. We tell what we want to happen, and Android will suggest the apps that can provide that functionality.

(last week exercise nostalgia)

This time, we'll use an **Implicit Intent** to launch a browser.

Resources

Implicit Intent docs:

<https://developer.android.com/guide/components/intents-common.html>

RelativeLayout docs:

<https://developer.android.com/reference/android/widget/RelativeLayout.html>

LinearLayout docs:

<https://developer.android.com/reference/android/widget/LinearLayout.html>

Tools docs:

https://developer.android.com/studio/write/tool-attributes#toolssample_resources



Done? Awesome.

Bonus task:

1. Add more details to the screen.
Images, fun facts etc..
2. Running out of screen real estate? **Great!**
Time to learn about and implement a [ScrollView](#).
3. Make sure your layout fits on smaller devices.

