INTRODUCTION TO PARCELABLE

How to save Activity State.

2 important Announcements

- Please fill in the session [feedback forms](#) after class.

- Free Android course in [udacity.com](#) – for EU residents.

Any questions so far ...

- Activities

- RecyclerView

Parcelable

- what - Android's serialisation mechanism.

- why - Java Serialisation is slow for a mobile environment.

- views – must have an id.

- TextViews and its subclasses enable freezesText.

Parceling stuff

- Java inbuilt types (int, double, String …) – supported

- Custom types: -
  - 4 step process:
    - static CREATOR constant.
    - int describeContents(); - generally returns 0
    - private Class(Parcelable in){};
    - public void writeToParcel(Parcel out, int flags){};

Live Coding

- Create an app which updates 2 TextView on a Button Click.
  - TextView1 shows a Simple String.
  - TextView2 shows a field of an object created on button Click.

Task

- Please extend the previous app with an Activity, which on a button click updates a TextView, an EditText, a Button, and a custom object as a private field of the Activity. Please check the state is persisted on a screen rotation.

Questions ???

Sources

- https://guides.codepath.com/android/using-parcelable

- https://developer.android.com/reference/android/os/Parcelable.html

- https://www.3pillarglobal.com/insights/parcelable-vs-java-serialization-in-android-app-development