APPLICATION TO FACILITATE REQUESTING SMALL

CAR JOBS FROM NEARBY WORKSHOPS

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Required Tools (Resources)

- **Programming Tools:**
  - Java
  - XML (designing layouts)
  - Google firebase
- **Software:**
  - Android Studio
  - Android API 28
  - Android emulator

Setting up development environment

- *Android Studio*
- *Android emulator with API 28*
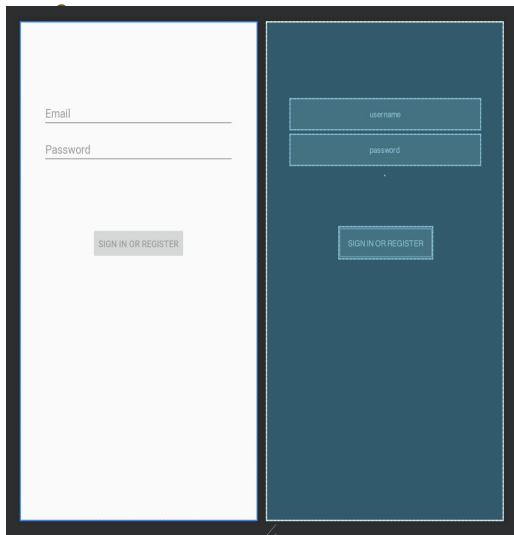- *Java environment*
- *Configuring gradle*

Linking Google firebase

- *Creating firebase account*
- *Linking firebase to the project*

Starting on login activity


```java
public class LoginActivity extends ProgressBaseActivity implements
        View.OnClickListener {

    private static final String TAG = "EmailPassword";

    private TextView mStatusTextView;
    private TextView mDetailTextView;
    private EditText mEmailField;
    private EditText mPasswordField;

    // [START declare_auth]
    private FirebaseAuth mAuth;
    // [END declare_auth]
```

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/container"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingLeft="16dp"
    android:paddingTop="16dp"
    android:paddingRight="16dp"
    android:paddingBottom="16dp"
    tools:context=".ui.login.LoginActivity">

    <EditText
        android:id="@+id/username"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_marginStart="24dp"
        android:layout_marginTop="96dp"
        android:layout_marginEnd="24dp"

        android:hint="Email"
        android:inputType="textEmailAddress"
        android:selectAllOnFocus="true"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
```

Conclusion

- *Completing configuration of firebase Authentication*
- *Completing login user interface*