Android Build Tools

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Intro

- Android Build System

- Bazel, Okbuck

Achievements and progress

- OkBuck tried on same project

- Bazel tried on Project with lot of dependencies

- Able to run application using Bazel

- Added dependency

Bazel

- WORKSPACE (shared by module)

- BUILD (respective module)

WORKSPACE

⇒ Shared among all component

```
android_sdk_repository(name = "androidsdk", api_level = 25)
```

BUILD - respective module

```
android_library(name = "movies",
    srcs = glob(["src/main/java/com/example/popularmovies/activities/*.java"]),
    custom_package"com.example.popularmovies.activities.android",
    manifest = "src/main/AndroidManifest.xml",
    resource_files = glob(["src/main/res/**"]))
```

BUILD

```
android_binary(
    name = "android",
    custom_package = "com.example.popularmovies.activities",
    manifest = "src/main/AndroidManifest.xml",
    resource_files = glob(["src/main/res/**"]),
    visibility = ["//visibility:public"],
    deps = [":movies","@androidsdk//:appcompat_v7"])
```

Dependencies

```
        android_binary( deps = ["@androidsdk//:appcompat_v4", "@androidsdk//:appcompat_v7",
"@androidsdk//:design",
            "@okhttp//jar:jar", "@otto//jar:jar", "@retrofit//jar:jar", ":movies"])

maven_jar(name = "okhttp",artifact = "com.squareup.okhttp:okhttp:2.7.5")
maven_jar(name = "otto",artifact = "com.squareup:otto:1.3.8",)
```

Next Steps

- Continue to work on Bazel

- Try Basic components

Thanks!

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