

# Android Instant Apps

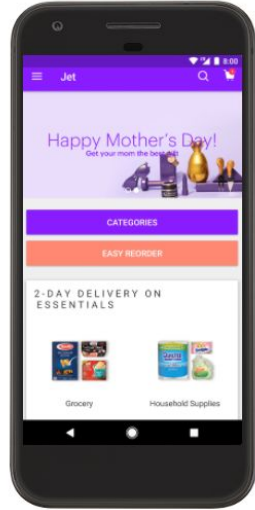
Rossukhon

Growth Session #6 - August 24-25 2017

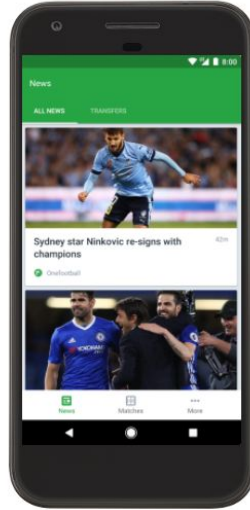


- Learn about Android Instant Apps
- Modify Red Planet app to support Instant Apps

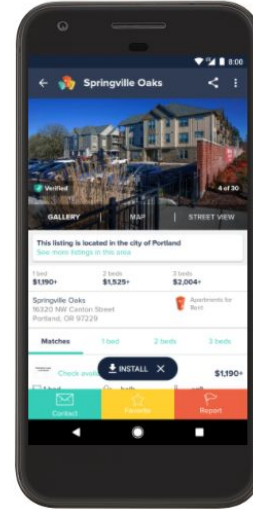
# Instant Apps



Jet



Onefootball



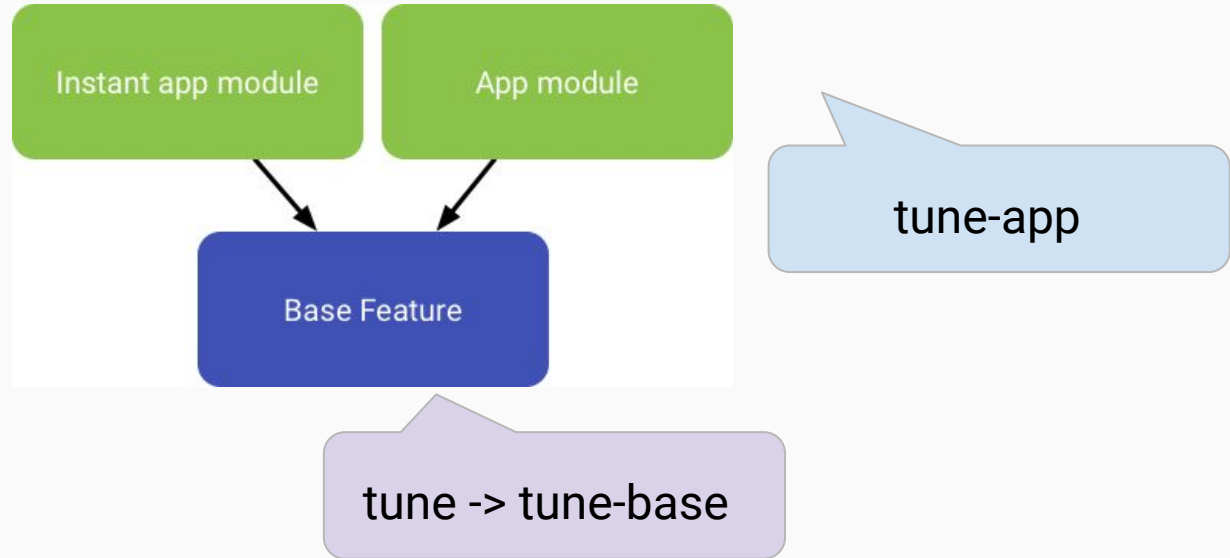
Hotpads

Native Android App without Installation

# Instant Apps

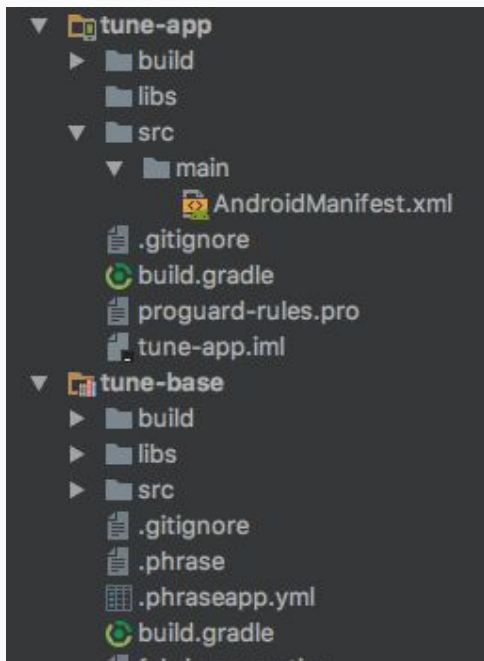
- Android Studio 3.0
- Instant Apps Development SDK

## Convert application to module



# Red Planet Instant App

## Convert application to module



tune-app

```
}  
}  
  
apply plugin: 'com.android.application'  
  
repositories {  
    // Needed because the module cannot resolve  
    maven { url 'https://maven.fabric.io/public' }
```

tune-base

```
classpath 'io.fabric.tools:gradle:1.+'  
}  
}  
  
apply plugin: 'com.android.feature'  
apply plugin: 'io.fabric'  
apply plugin: 'newrelic'  
apply plugin: 'com.jakewharton.butterknife'
```

In shared module, The resource constant is not allowed

## Butterknife

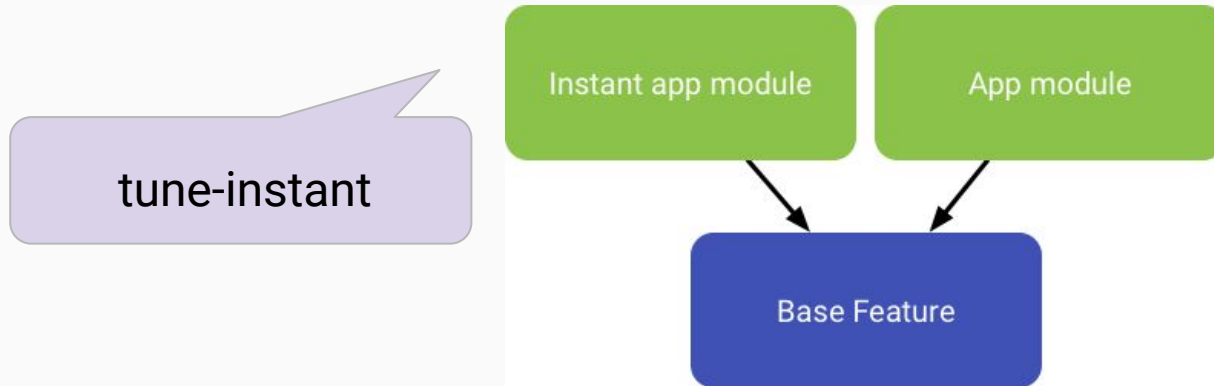
- Install butterknife 9.0.0-SNAPSHOT
- Change `R.id` to `R2.id`

```
@BindView(R2.id.hotelfinfo_iv_hotel_image) ImageView mIvHotelImage;  
@BindView(R2.id.hotelfinfo_tv_location) TextView mTvLocation;  
@BindView(R2.id.hotelfinfo_tv_address) TextView mTvAddress;  
@BindView(R2.id.hotelfinfo_tv_detail) TextView mTvDetail;  
@BindView(R2.id.hotelfinfo_bt_map) Button mBtMap;  
@BindView(R2.id.hotelfinfo_bt_phone) ImageButton mBtPhone;  
@BindView(R2.id.hotelfinfo_bt_email) ImageButtons mBtEmail;
```

**Any switch with resource as a case needs to change to if-else**


```
switch (view.getId()) {  
    case R.id.navigation_tv_book:  
        selectTab(TAB_BOOK_NOW);  
        break;  
    case R.id.navigation_tv_our_hotel:  
        selectTab(TAB_OUR_HOTEL);  
        break;  
    case R.id.navigation_tv_instay:  
        selectTab(TAB_IN_STAY_MODE);  
        break;  
    case R.id.navigation_tv_my_bookings:  
        selectTab(TAB_MY_BOOKINGS);  
        break;  
    case R.id.navigation_tv_contactus:  
        selectTab(TAB_CONTACT);  
        break;  
    if (view.getId() == R.id.navigation_tv_book) {  
        selectTab(TAB_BOOK_NOW);  
    } else if (view.getId() == R.id.navigation_tv_our_hotel) {  
        selectTab(TAB_OUR_HOTEL);  
    } else if (view.getId() == R.id.navigation_tv_instay) {  
        selectTab(TAB_IN_STAY_MODE);  
    } else if (view.getId() == R.id.navigation_tv_my_bookings) {  
        selectTab(TAB_MY_BOOKINGS);  
    }  
}
```

- Create Instant app module





- Add app link

 Android App Links Support

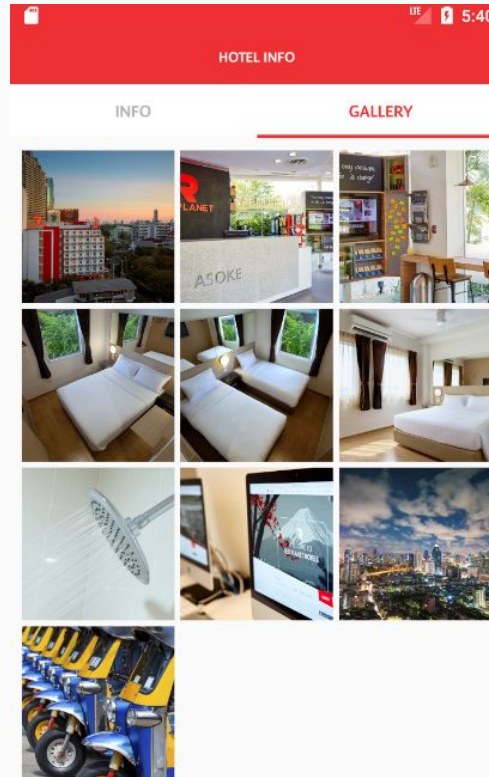
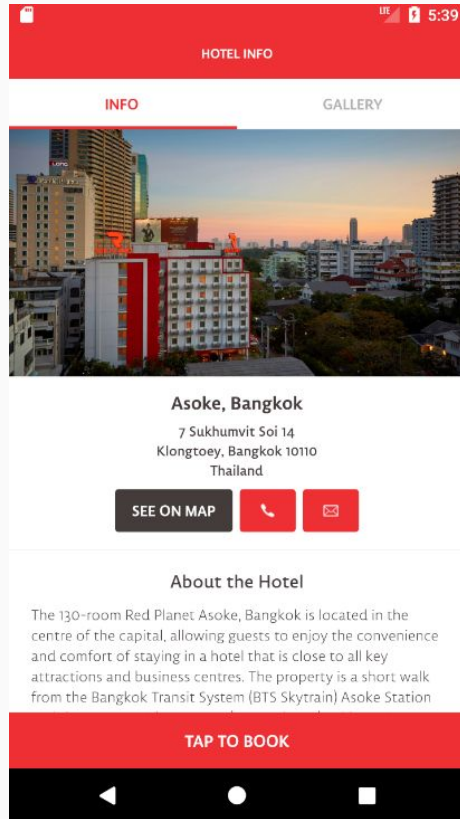
## URL-to-Activity mappings

Use the URL Mapping table below to add, update or delete URL to Activity mappings. The URL Mapper will update your AndroidManifest.xml file to include the appropriate URL intent filters.

URL Mapping

Host	Path values	Activity
https://www.redplanethotels.com	/hotel (pathPrefix)	com.redplanet.tune.ui.SplashActivity
https://www.redplanethotels.com	/contact	com.redplanet.tune.ui.SplashActivity

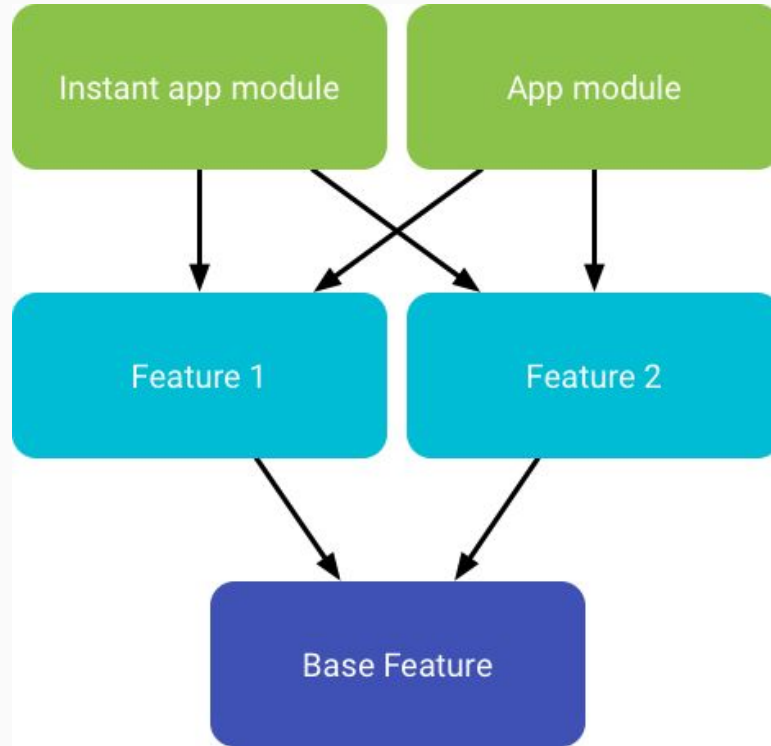
# Red Planet Instant App



Instant App limits the module size to **4MB**

Note: This will be validated when upload the apk to the store

# Red Planet Instant App



# Thanks!

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