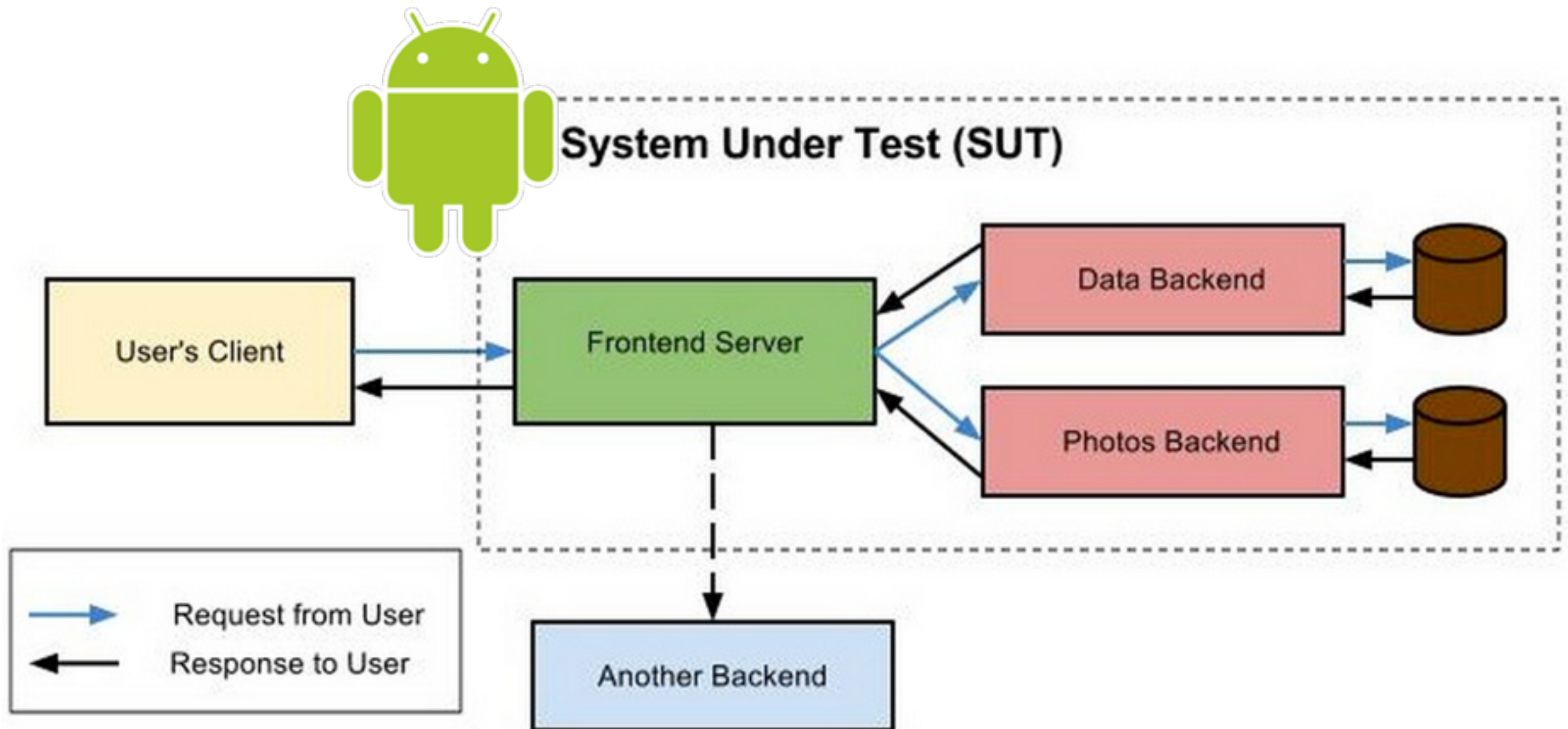


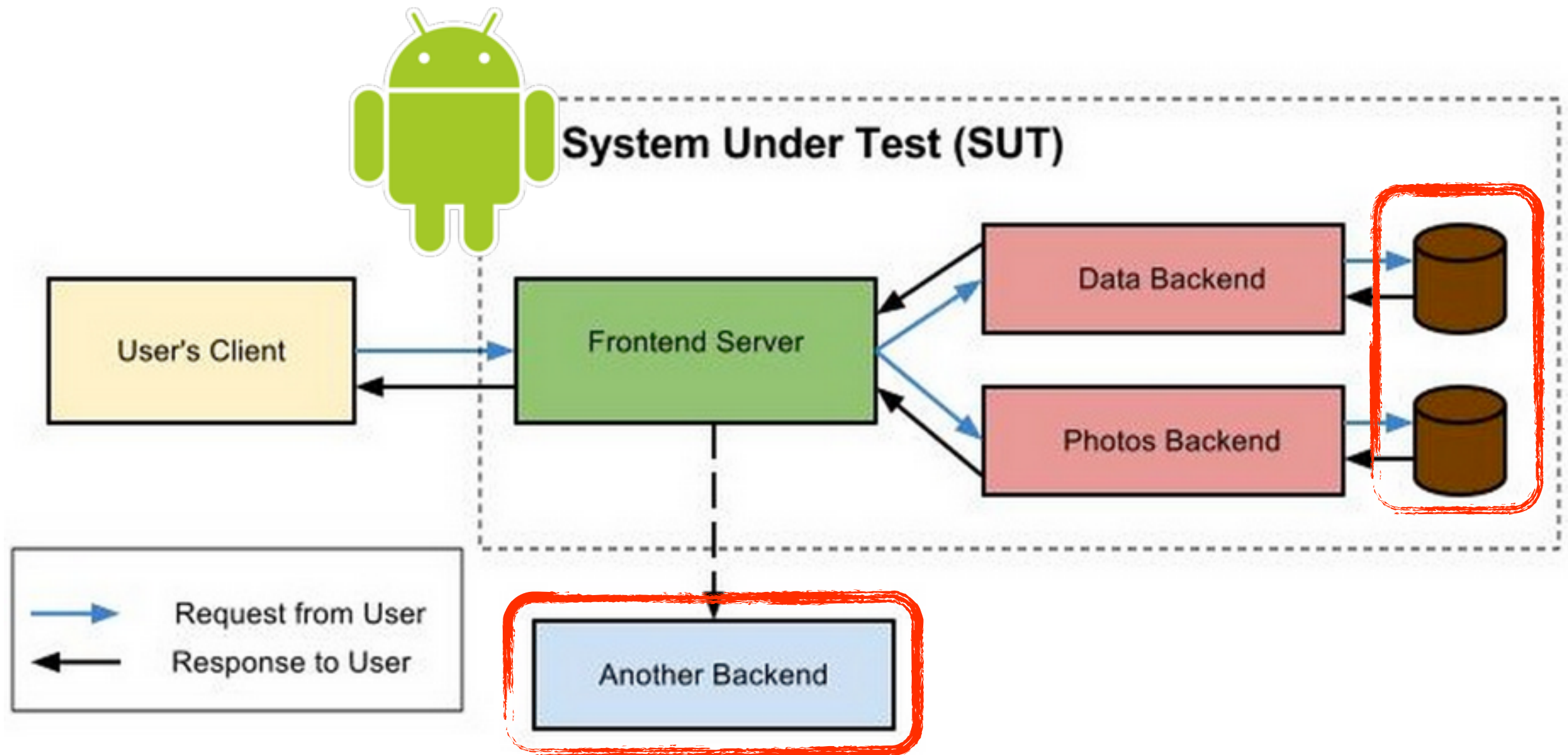
# Automation for Android

*Calaba.sh*

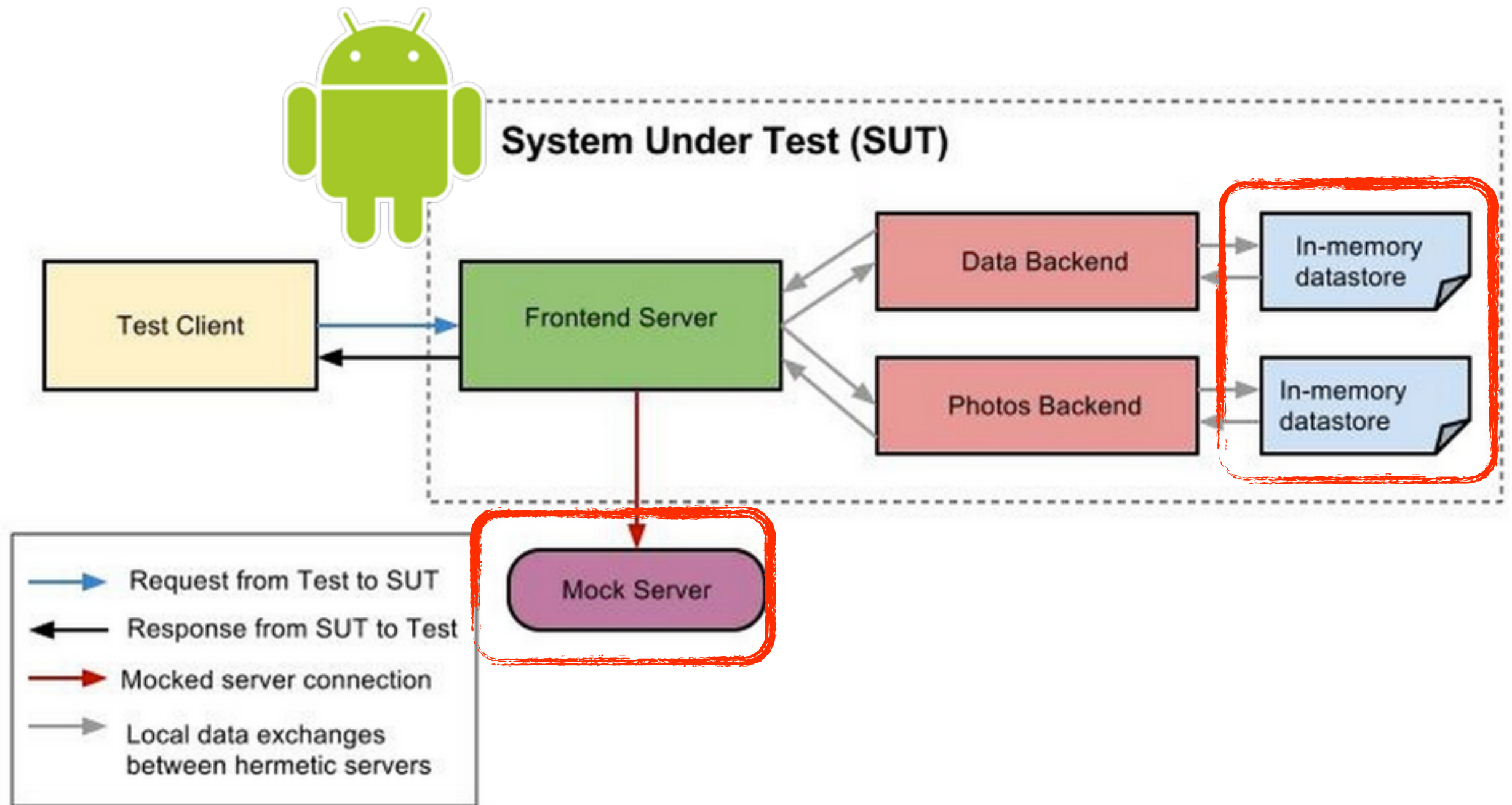
# End-to-End test



# End-to-End test



# End-to-End test



# How to solve problem ?

1. Setup a test server
2. Mocking
3. Stubby, WireMock



# WireMock

# Stubbing and mocking web services for HTTP server

<http://wiremock.org/>

[illegible]

# Download & Start server

Standalone JAR file

```
$java -jar wiremock-1.57-standalone.jar
```

<http://wiremock.org/running-standalone.html>

# Config port

```
$java -jar wiremock-1.57-standalone.jar --port 8888
```



# Config endpoint

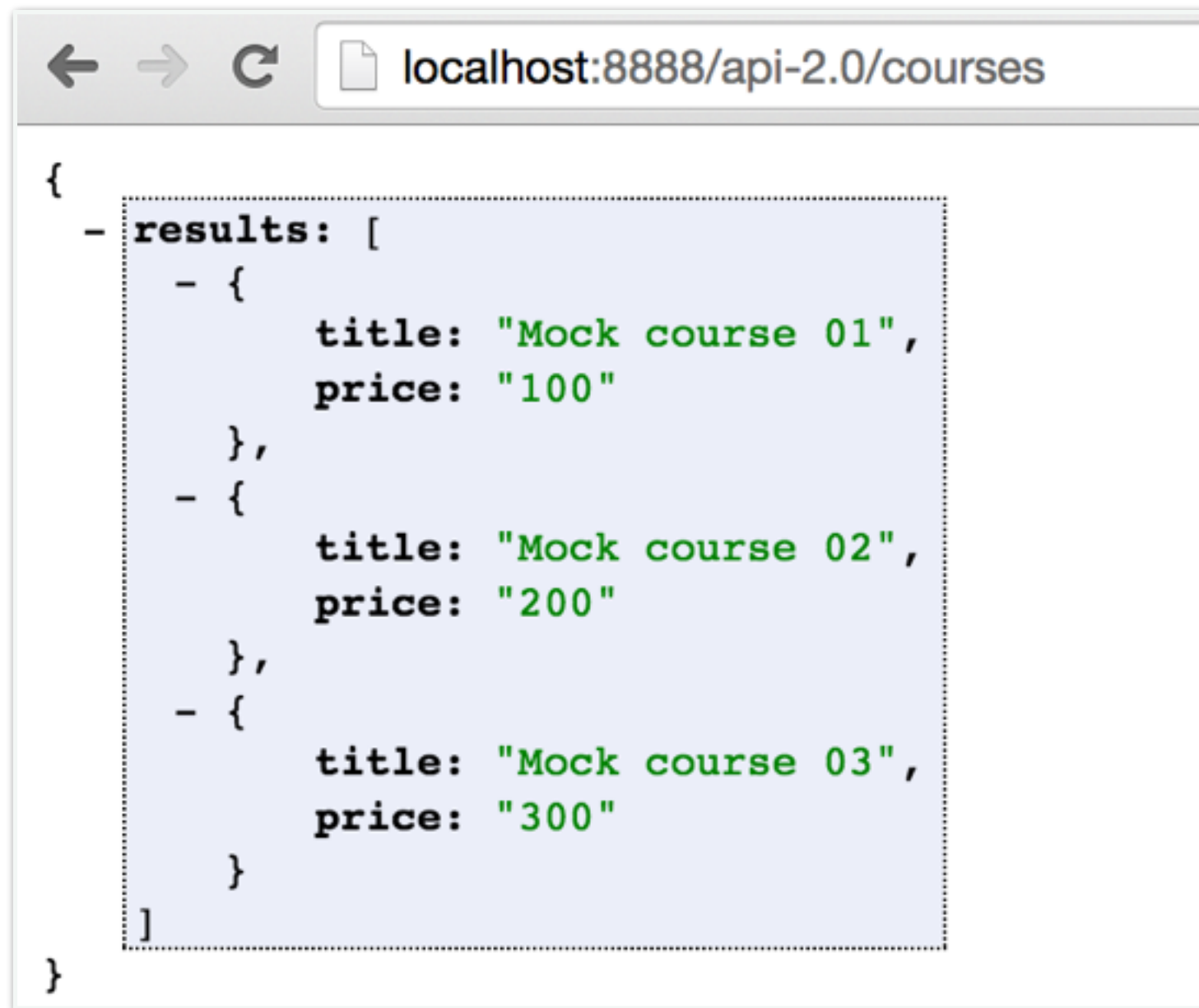
Create folder => mappings

Create file => mappings/<>.json

# Config endpoint

```
1 {
2   "request": {
3     "method": "GET",
4     "url": "/api-2.0/courses"
5   },
6   "response": {
7     "status": 200,
8     "headers": {
9       "Content-Type": "application/json"
10    },
11    "jsonBody":
12    {
13      "results" : [
14        {
15          "title" : "Mock course 01",
16          "price" : "100"
17        },
18        {
19          "title" : "Mock course 02",
20          "price" : "200"
21        },
22        {
23          "title" : "Mock course 03",
24          "price" : "300"
25        }
26      ]
27    }
28  }
29 }
```

# Access endpoint



```
{
  - results: [
    - {
      title: "Mock course 01",
      price: "100"
    },
    - {
      title: "Mock course 02",
      price: "200"
    },
    - {
      title: "Mock course 03",
      price: "300"
    }
  ]
}
```

# Back to my app

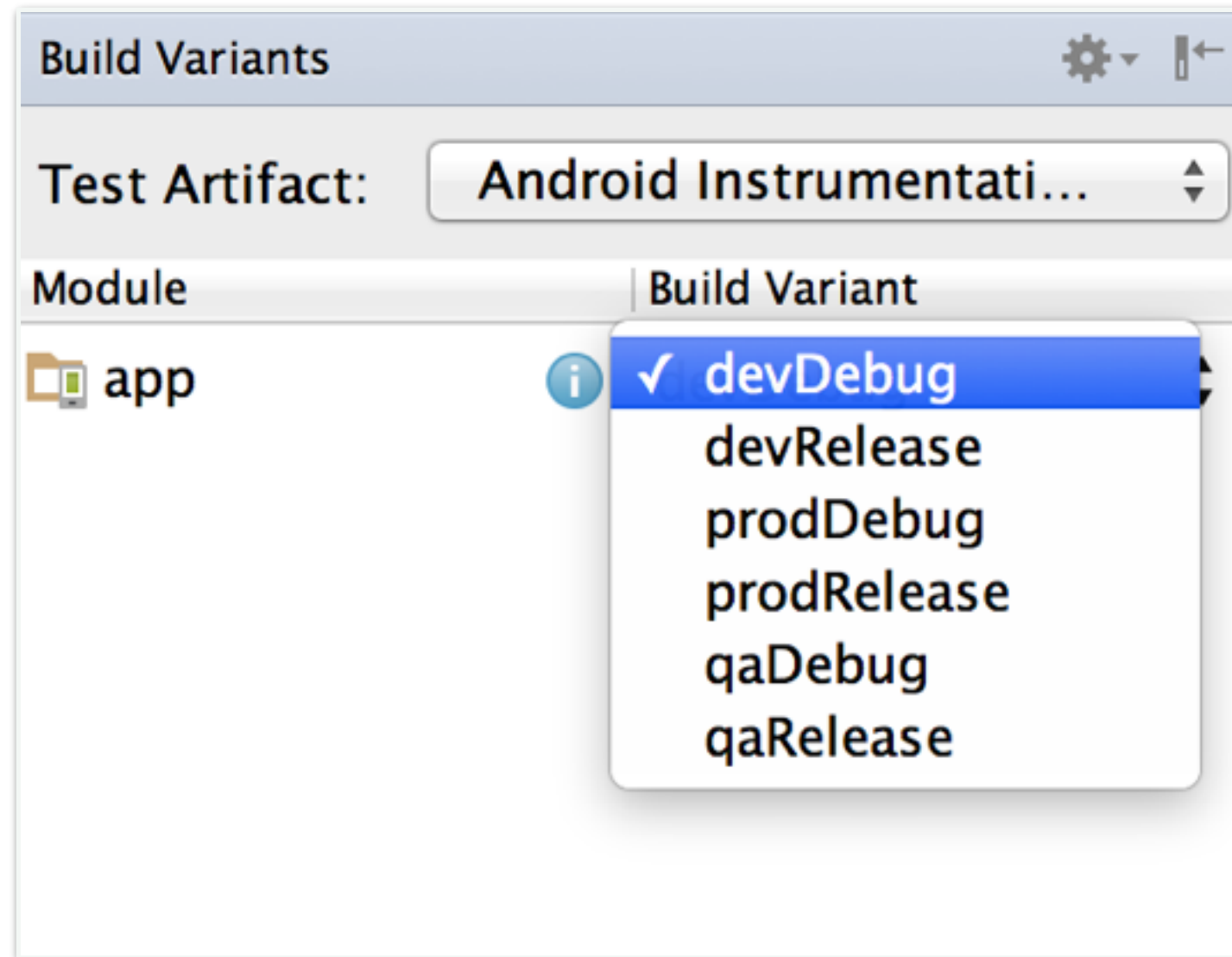


# Add flavors

file build.gradle

```
productFlavors {  
    def COURSE_URL = "COURSE_URL"  
  
    dev {  
        applicationId "workshop.mockexternalapi.dev"  
        buildConfigField "String", COURSE_URL, '"http://10.0.3.2:8888/api-2.0/courses"'  
    }  
  
    qa {  
        applicationId "workshop.mockexternalapi.dev"  
        buildConfigField "String", COURSE_URL, '"https://www.udemy.com/api-2.0/courses"'  
    }  
  
    prod {  
        applicationId "workshop.mockexternalapi"  
        buildConfigField "String", COURSE_URL, '"https://www.udemy.com/api-2.0/courses"'  
    }  
}
```

# Build variants



# How to use ?

```
String url = BuildConfig.COURSE_URL;
```



# How to build ?

**`$. /gradlew clean assemble<Build Variant>`**

# Workshop

