

ALGONOMY



Britannia Mobile App- V1.0

Table of Contents

| | |
|-------------------------------|----------|
| Description..... | 3 |
| Tools used | 3 |
| API's..... | 3 |
| Integration Pin's..... | 5 |

Description

Mobile App contains navigation with two navigation menu's as follows:

Admin Reports

1. User Reports

Admin Reports:

Admin reports option (button) takes you to Report Filter. Report Filter Screen contains 2 Dropdowns (Department and Report Name) And 3 Buttons (Add Report, Delete Report, and Filter) based on the selection.

Get Reports:

Get reports option (button) takes you to new screen which contains webview to display report using Tableau Server.

Add Report:

Add report option (button) in filter page will take you to the Add Report Screen. This screen contains Department Dropdown and 2 fields one is Report name and another one is URL. These two fields helps user to add multiple records by clicking on ADD button. User can able to see those multiple records below with horizontal scrolling. once user click on ADD REPORT it makes http request using Volley library then returns response that i am showing in the toast.

Delete Report:

Delete report option (button) in the filter page will bring you Popup which contains list of report names. User can able to select multiple report names and he can able to search the reports in the popup. Once after selecting reports then can able to click on the DELETE REPORT Button. this button makes http post request using Volley to delete the selected Reports. Before calling api Prompt will appear to get confirmation from the user.

Tools used

1. Android Studio Version 4.1.
2. App Compatible up to **Version 4.1**
3. Using Volley Library for network operation

API's

EST API CALLS.

- Mobile APP calls REST API'S to fetch reports metadata for end users to traverse specific department reports and
- API's also to add new reports metadata and update existing reports metadata.

Tech Stack for Rest API:

Language : Python 3.7

Framework : Flask

Web Server : Nginx

Database : SQLITE

Details of REST APIS:

1)

API ENDPOINT : <http://britindiareports/departments>

API METHODS : GET

API DESCRIPTION : get all departments of reports metadata

API Sample output:

```
{
  "departments": [
    "Sales",
    "Lakshya"
  ]
}
```

2)

API ENDPOINT : <http://britindiareports/reports?department=Sales>

API METHODS : GET

API DESCRIPTION : get specific department reports metadata

API Sample output:

```
[
  {
    "id": 1,
    "department_name": "Sales",
    "report_name": "NSM REPORT",
    "report_url":
      "https://reports.britindia.com/#/views/4MonthsNSMReport/4MonthsNSMReport?.iid=1"
  },
  {
    "id": 2,
```

```

        "department_name": "Sales",
        "report_name": "JAN2020TOMAR2020",
        "report_url":
"https://reports.britindia.com/#/views/JAN2020TOMAR2020/202001to202003?:iid=2 "
    }
]

```

3)

API ENDPOINT : http://britindiareports/addreports

API METHODS : POST

API DESCRIPTION : allows add new report metadata into Database

API PAYLOAD:

```

{
    "department_name": "Sales",
    "reports": [
        {
            "report_name": "report_1",
            "report_url":
"https://reports.britindia.com/#/views/CLOSINGSTOCK/CLOSINGSTOCK"
        },
        {
            "report_name": "report_2",
            "report_url":
"https://reports.britindia.com/#/views/CLOSINGSTOCK/CLOSINGSTOCK"
        }
    ]
}

```

4)

API ENDPOINT : http://britindiareports/deletereports

API METHODS : POST

API DESCRIPTION : allows add new report metadata into Database

API PAYLOAD:

```

{
    "ids":[6]
}

```

Integration Pin's

Existing environment:

If the version is matching with code, you can copy the code / files to your existing environment.

Goto following path for source files: -

BritaniaAndroidApp/app/src/main/java/com/brit/**britanniaapp**/

Java file names:

- Add Report page: AddReportActivity.java
- Filter page: ReportsFilterActivity.java
- Delete Report: DeleteReportDialog.java
- Report page: ChartListActivity.java

Non existing environment:

If the version is not matching we recommend you to keep this module separate system or upgrade the system.

- Update the existing app with latest version. Follow the same folder structure given above
- '**BritaniaAndroidApp/app/**' is the main folder.
- Keep java files in "**BritaniaAndroidApp/app/src/main/java/com/brit/britaniaapp/**" folder.
- Keep your resources into "**BritaniaAndroidApp/app/src/main/res**" folder.
- Update page details into "**BritaniaAndroidApp/app/src/main/AndroidManifest.xml**" file.