

# IP-DB Dashboard

## Server Setup:

- Download the samsung.zip file to desired location and click on extract here. Then you will see the 2 folders (Dashboard\_django, excels)

This PC > Data (D:) > samsung

Name	Date modified	Type
Dashboard_django	27-07-2020 23:47	File folder
excels	27-07-2020 23:44	File folder

- In “D:/samsung/Dashboard\_django/venv/pyvenv.cfg “, give the correct path to your python application

```
pyvenv.cfg x
1  home = C:\Users\nikhi\AppData\Local\Programs\Python\Python38
2  include-system-site-packages = true
3  version = 3.8.2
4
```

- Give the correct paths in “D:/samsung/Dashboard\_django/manage.py” file

```
manage.py x
5  import sys
6
7  from datetime import date, datetime
8
9  #Change the below variables
10 loc='D:/samsung/'
11 host_loc='D:/samsung/Dashboard_django/'
12 folder='D:/samsung/excels/'
13 data='D:/samsung/excels/Weekly_Report.xlsx'
14 trial_xlsx='D:/samsung/excels/Weekly_Report_trial.xlsx'
15 weekday = 2_# 0-Monday 1-Tuesday 2-Wednesday 3-Thursday 4-Friday 5- Saturday
```

- In command prompt,

*pip install Django*

*pip install pandas*

*pip install openpyxl*

- In command prompt,(activating virtual environment)

`cd D:/samsung/Dashboard_django`

`D:/samsung/Dashboard_django/venv/Scripts/activate`

- If you want to run the server locally,(run server)

`D:/samsung/Dashboard_django/manage.py runserver`

(go to <http://127.0.0.1:8000/dashboard>)

```

C:\Users\nikhi>cd D:/samsung/Dashboard_django

D:\samsung\Dashboard_django>D:/samsung/Dashboard_django/venv/Scripts/activate

(venv) D:\samsung\Dashboard_django>D:/samsung/Dashboard_django/manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified some issues:

WARNINGS:
?: (urls.W002) Your URL pattern '/add' [name='add'] has a route beginning with a '/'. Remove this slash
ing '/'.
?: (urls.W002) Your URL pattern '/doc' [name='doc'] has a route beginning with a '/'. Remove this slash
ing '/'.
?: (urls.W002) Your URL pattern '/modified' [name='modified'] has a route beginning with a '/'. Remove
as a trailing '/'.
?: (urls.W002) Your URL pattern '/save' [name='save'] has a route beginning with a '/'. Remove this sla
iling '/'.

System check identified 4 issues (0 silenced).

You have 17 unapplied migration(s). Your project may not work properly until you apply the migrations f
Run 'python manage.py migrate' to apply them.
July 28, 2020 - 00:01:51
Django version 3.0.7, using settings 'mysite.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.

```

- If you want to run it in the other laptops within the private network,
- In command prompt,

`ipconfig` (get ipv4 address. If you are connected to vpn, it assigns IP address randomly everytime you get connected. Make sure you are taking correct ipv4 address)

`D:/samsung/Dashboard_django/manage.py runserver 192.168.43.184:8000`

(go to <http://192.168.43.184:8000/dashboard>)

```
(venv) D:\samsung\Dashboard_django>ipconfig

Windows IP Configuration

Wireless LAN adapter Local Area Connection* 3:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

Wireless LAN adapter Local Area Connection* 12:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

Wireless LAN adapter Wi-Fi:

    Connection-specific DNS Suffix  . :
    IPv6 Address. . . . . : 2409:4070:19:daf:202a:82:3eea:e4c4
    Temporary IPv6 Address. . . . . : 2409:4070:19:daf:7d06:567f:8cde:d50e
    Link-local IPv6 Address . . . . . : fe80::202a:82:3eea:e4c4%14
    IPv4 Address. . . . . : 192.168.43.184
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : fe80::b6cd:27ff:fee0:cebf%14
                                192.168.43.1

(venv) D:\samsung\Dashboard_django>D:/samsung/Dashboard_django/manage.py runserver 192.168.43.184:8000
Watching for file changes with StatReloader
Performing system checks...

System check identified some issues:

WARNINGS:
?: (urls.W002) Your URL pattern '/add' [name='add'] has a route beginning with a '/'. Remove this slash as it
   ing '/'.
?: (urls.W002) Your URL pattern '/doc' [name='doc'] has a route beginning with a '/'. Remove this slash as it
   ing '/'.
?: (urls.W002) Your URL pattern '/modified' [name='modified'] has a route beginning with a '/'. Remove this sl
   as a trailing '/'.
?: (urls.W002) Your URL pattern '/save' [name='save'] has a route beginning with a '/'. Remove this slash as i
   iling '/'.

System check identified 4 issues (0 silenced).

You have 17 unapplied migration(s). Your project may not work properly until you apply the migrations for app(
Run 'python manage.py migrate' to apply them.
July 28, 2020 - 00:09:31
Django version 3.0.7, using settings 'mysite.settings'
Starting development server at http://192.168.43.184:8000/
Quit the server with CTRL-BREAK.
```

# Dashboard Functionality:

On runserver command, 'project\_update.py' file will get executed. We will select one day as weekday where data gets backed up.

If(weekday),

- 1) Data back-up
- 2) In individual project excel sheet we get that week's latest data removing day wise data

Else,

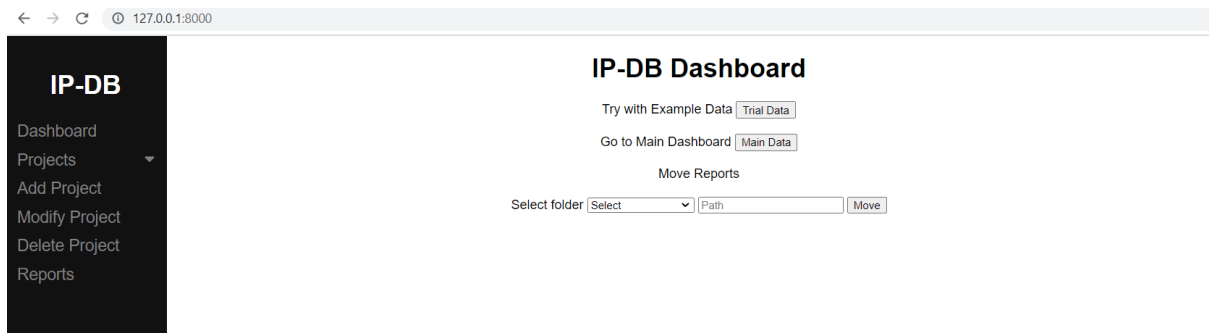
Checks whether last entry is the updated one or not. If not, it updates the data

## Host page (<http://127.0.0.1:8000/>)

To choose trial data/ Main data. By default, when we do runserver, it takes main data.

(Note: When sharing within the private network, make sure nobody is clicking these 2 buttons. If one is using trial data and other person clicks the main data button, it will take main data from that point)

We can change the excels sheet location from here directly

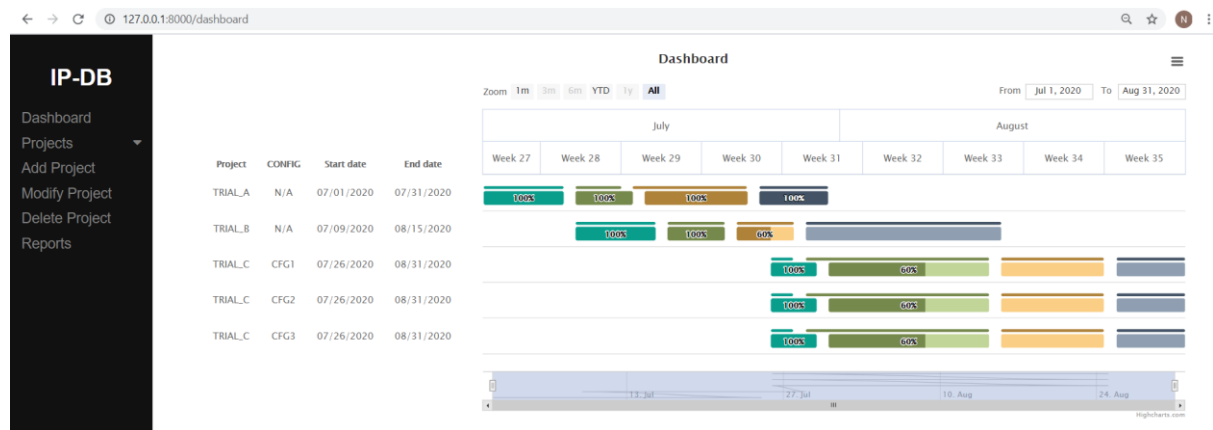


## Main Dashboard(<http://127.0.0.1:8000/dashboard>)

Takes data from Weekly\_Report.xlsx (Sheet2 is for planned dates)

Small bars are for planned dates.

Bigger bars are for updated dates.



## Individual Project Dashboard([http://127.0.0.1:8000/Project/TRIAL\\_A](http://127.0.0.1:8000/Project/TRIAL_A))

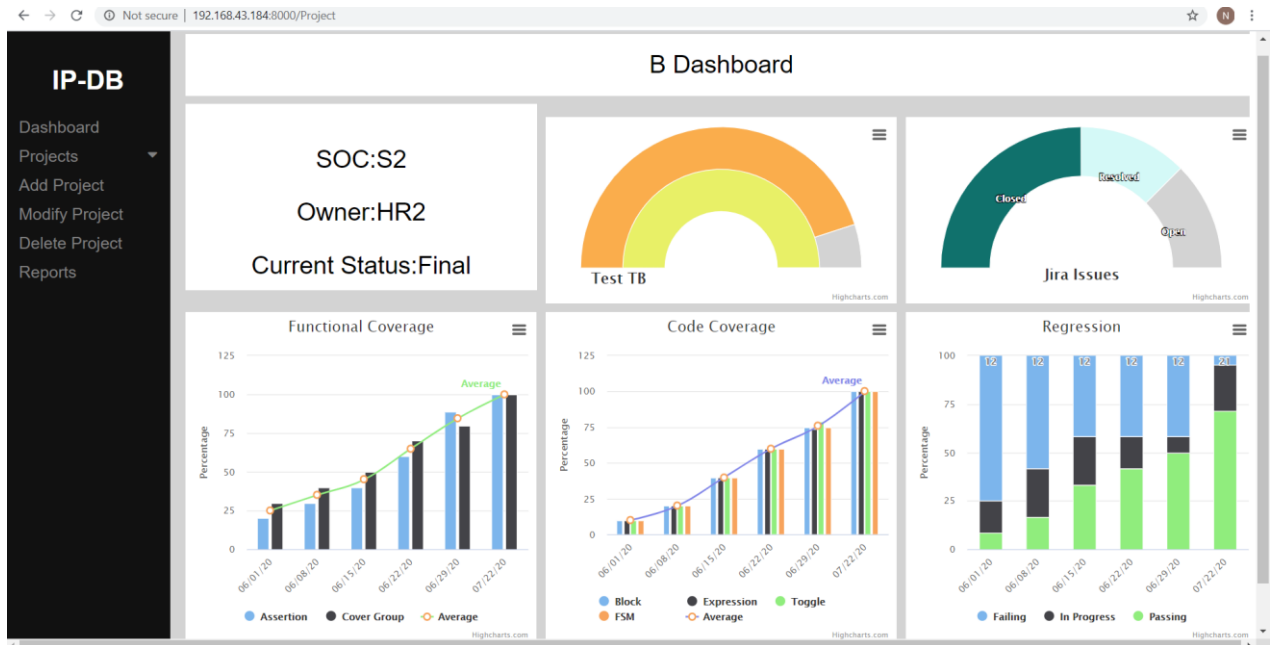
[http://127.0.0.1:8000/Project/proj\\_name](http://127.0.0.1:8000/Project/proj_name) (if no configurations)

[http://127.0.0.1:8000/Project/proj\\_name/cfg\\_name](http://127.0.0.1:8000/Project/proj_name/cfg_name) (if there are configurations)

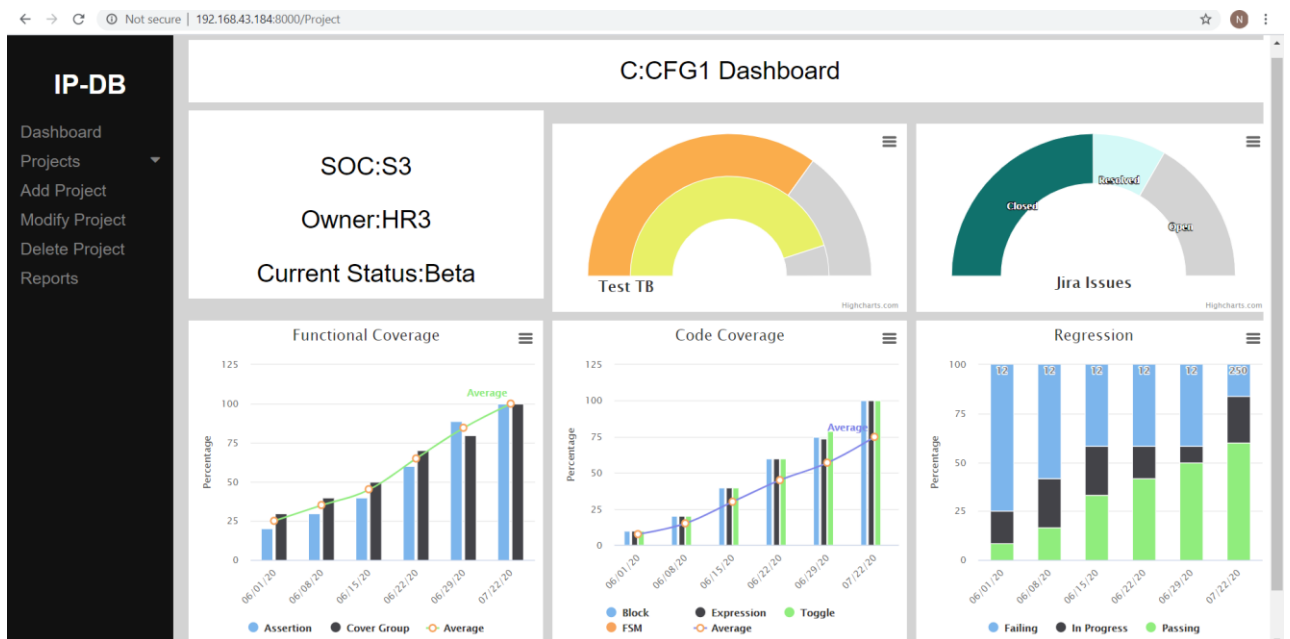
Click on Projects (inside navigation bar) to get a dropdown with list of Projects. Click on the required project name to go to that project dashboard.

Takes data from Weekly\_Report.xlsx and Individual project excel sheet (project\_name.xlsx eg. B.xlsx).

Individual project excel sheet is for storing all weeks Functional Coverage, Code Coverage and Regression Data.



For Project with configurations:



## Adding Project:

Adds the project details to Weekly\_Report.xlsx and generates individual project excel sheet.

The screenshot shows a web browser window with the address bar displaying "192.168.43.184:8000/addProject". The page has a dark sidebar on the left with the title "IP-DB" and a menu containing "Dashboard", "Projects", "Add Project", "Modify Project", "Delete Project", and "Reports". The main content area is titled "Add Project" and contains the following fields:

- Project:
- Owner:
- SOC:
- No. of Configurations:
- (Enter 0 if there are no configurations)
- Config Name:
- CurrentStatus:
- Percentage Completed:
- PreAlphaStartDate:
- AlphaStartDate:
- BetaStartDate:
- FinalStartDate:
- FinalEndDate:
- TB Completed(%):
- Test Completed(%):
- Feature(%):
- FC Assertion:
- FC Cover Group:
- CC Block:
- CC Expression:

## Modify Project Data:

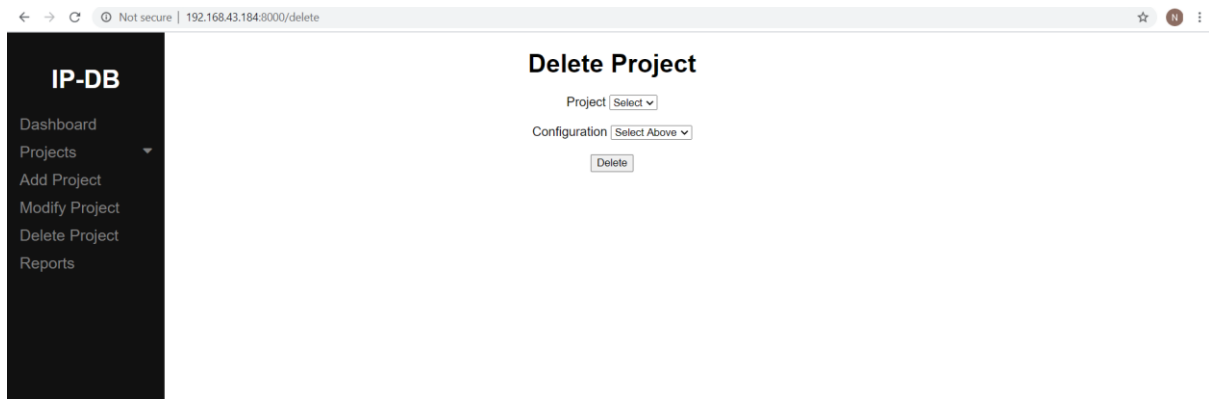
Updates data in the Weekly\_Report.xlsx and individual project excel sheet

The screenshot shows a web browser window with the address bar displaying "192.168.43.184:8000/modifyProject/". The page has a dark sidebar on the left with the title "IP-DB" and a menu containing "Dashboard", "Projects", "Add Project", "Modify Project", "Delete Project", and "Reports". The main content area is titled "Modify Project" and contains the following fields:

- Project:
- Configuration:
- 
- Maximum of 10 values can be modified at a time
- Project:
-

## Delete Existing Project:

Deletes the rows related to selected project and deletes the individual excel sheet corresponding to the selected project.



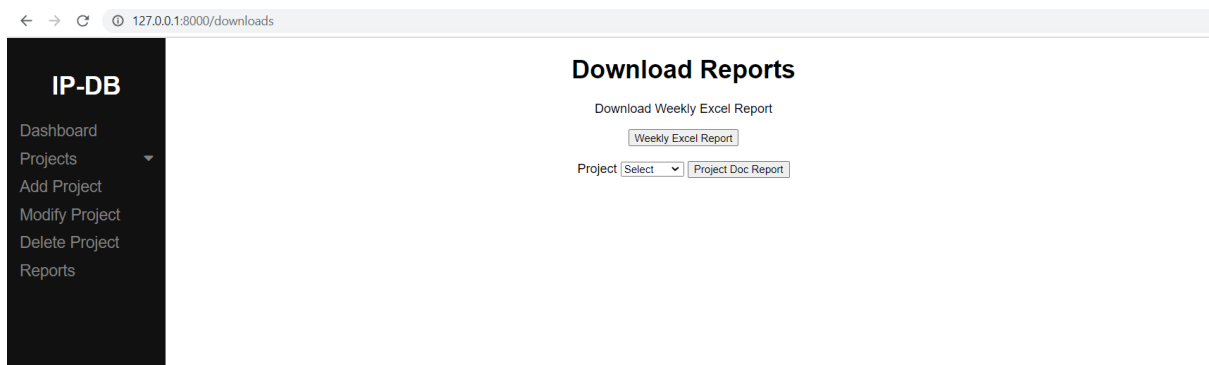
The screenshot shows a web browser window with the address bar displaying "192.168.43.184:8000/delete". The page has a dark sidebar on the left with the title "IP-DB" and a menu containing "Dashboard", "Projects", "Add Project", "Modify Project", "Delete Project", and "Reports". The main content area is titled "Delete Project" and contains a "Project" dropdown menu with "Select" as the current selection. Below it is a "Configuration" dropdown menu with "Select Above" as the current selection. At the bottom of the form is a "Delete" button.

## Reports:

To download this week's, excel report, click on "Weekly Excel Report"

To download individual Project doc report,

1. Select Project (Option 'All' is for getting document for all projects)
2. Click on Project Doc Report (It generates Project report with the recently updated data)



The screenshot shows a web browser window with the address bar displaying "127.0.0.1:8000/downloads". The page has a dark sidebar on the left with the title "IP-DB" and a menu containing "Dashboard", "Projects", "Add Project", "Modify Project", "Delete Project", and "Reports". The main content area is titled "Download Reports" and contains a "Download Weekly Excel Report" section with a "Weekly Excel Report" button. Below this is a "Project" dropdown menu with "Select" as the current selection, followed by a "Project Doc Report" button.



## Manually Adding Project:

- Open Weekly\_Report.xlsx (for trial data Weekly\_Report\_trial.xlsx)  
In Sheet1, Add all the details after the last row  
In Sheet2, add a row with Project name, Configuration and planned dates
- Create new individual project excel file with name *project\_name*.xlsx with header as shown below  
If there are no configurations, sheet name=Sheet1  
If there are n configurations, create n excel sheets, with sheet name= configuration\_name  
(You must add at least one row data in every sheet)

	A	B	C	D	E	F	G	H	I	J
1	Date	FC_Assert	FC_Cover	CC_Block	CC_Expres	CC_Toggle	CC_FSM	R_Passing	R_InProgre	R_Failing
2										
3										
4										
5										

## Manually Editing Data:

- For Project and configuration changes, change in Sheet1 and Sheet2 of Weekly\_Report.xlsx (for trial data Weekly\_Report\_trial.xlsx), individual project file name and excel sheet name
- For change in Functional Coverage, Code Coverage and Regression data, update in Sheet1 of Weekly\_Report.xlsx (for trial data Weekly\_Report\_trial.xlsx), individual project file
- For remaining data changes, change in Sheet1 of Weekly\_Report.xlsx (for trial data Weekly\_Report\_trial.xlsx)