# Login Screen

## **Activity**

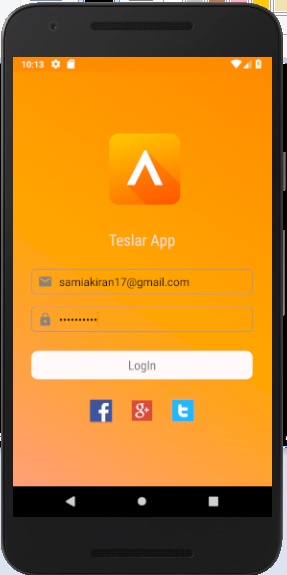
### XML

* + activity\_login

### JAVA

* + LoginActivity

This screen is used for login. User will send email and password and will get userid and username in return if user name and password is authenticated by server. This userid and username will be used later by different activities.



## API

### URL

[**http://expertsvision.site/api/auth/login**](http://expertsvision.site/api/auth/login)

### Method: Post

### **Input**

**Body:**

{

  "email": "[sameer@gmail.com](mailto:sameer@gmail.com)",

"password": "sameer12"

}

### **Output**

{

"User\_ID": 12,

"User\_Name": "sameer"

}

## 

# Info Screen 1

## **Activity**

### Xml

* + Activity\_info\_activity
  + Welcome\_slide1
  + strings

### JAVA

* InfoActivity

This is simple Info screen containing two buttons: Skip and Next

**For Logged-In User:**

By clicking **Skip**, Dashboard will be displayed and by clicking on **Next,** next info screen will be displayed.

**For Logged Out User:**

By clicking **Skip** user will be directed to **Login Activity a**nd by clicking **Next,** **next info screen** will be displayed.



# Info Screen 2

## **Activity**

### Xml

* + Activity\_info\_activity
  + Welcome\_slide2
  + strings

### JAVA

* InfoActivity

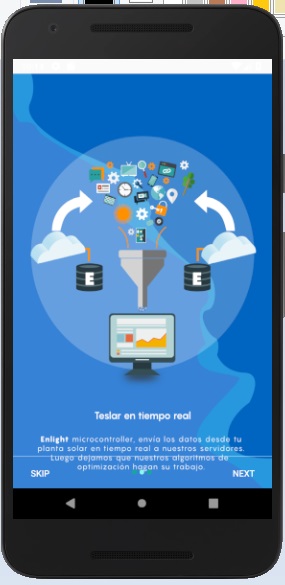
This is simple Info screen containing two buttons: Skip and Next

**For Logged In User:**

By clicking **Skip**, Dashboard will be displayed and by clicking on **Next,** next info screen will be displayed.

**For Logged Out User:**

By clicking **Skip** user will be directed to **Login Activity a**nd by clicking on **Next,** **next info screen** will be displayed.



# Info Screen 3

## **Activity**

### Xml

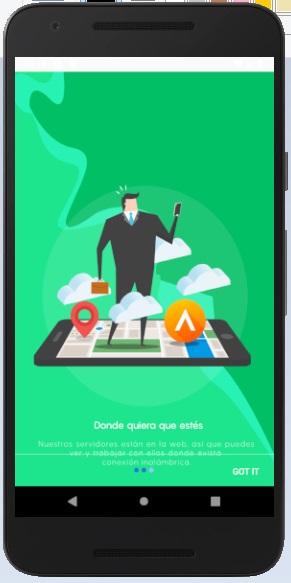
* + Activity\_info\_activity
  + Welcome\_slide3
  + strings

### JAVA

* InfoActivity

This is simple Info screen containing one option: Got it

**For Logged-In User:** By clicking **Got it**, Dashboard will be displayed.

**For Logged Out User:** By clicking **Got it** user will be directed to **Login Activity.**

# Dashboard

This is dashboard. User can upload profile picture by choosing from his mobile gallery.

## **Activity**

### Xml

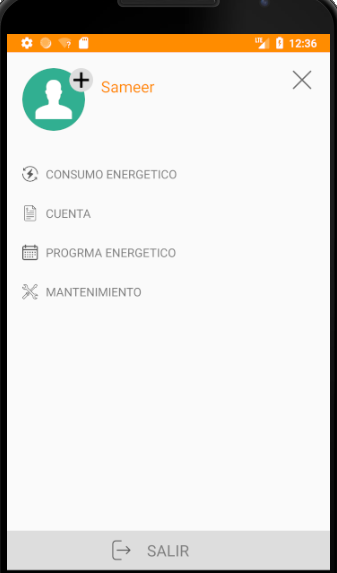
* + activity\_dashboard

### JAVA

* DashBoard

User will get 4 options

1. Power Consumption
2. Billing
3. Scheduling
4. Maintenance



# Power Consumption

## **Activity**

## Yearly

User will be able to select year and data of 12 months will be displayed as 12 data points in line chart.

### Xml

* + activity\_line\_chart\_monthly

### JAVA

* LineChartMonthly

## Monthly

User will select month and data of that month of current year will be displayed as 30 data points in a line chart.

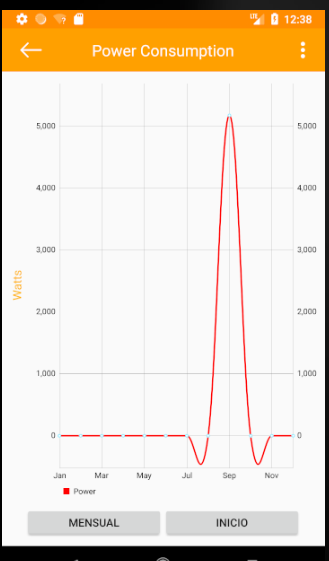
### XML

* activity\_line\_chart

### JAVA

* + LineChartActivity

There will be 2 screens in it. One is monthly while other is yearly power consumption



## API

### Method: GET

### Input

URL= **http://3.16.13.121/getuser/12**

### Output

[

{

"system\_id": 12,

"date": "2018-09-13",

"timespanid": 7,

"total\_power\_ac": 148.96,

"total\_power\_dc": 0,

"voltage\_ac": 189.946,

"current\_ac": 0.783,

"voltage\_dc": 17.5,

"current\_dc": 0,

"humidity": 30,

"temperature": 27

},

{

"system\_id": 12,

"date": "2018-09-13",

"timespanid": 8,

"total\_power\_ac": 136.934,

"total\_power\_dc": 0,

"voltage\_ac": 170.749,

"current\_ac": 0.804,

"voltage\_dc": 17.378,

"current\_dc": 0,

"humidity": 30,

"temperature": 27

}

]

# Billing

There will be 2 screens in it. One is monthly while other is yearly bill

Same api as of power consumption will be used for these activities and bill will be calculated accordingly.

### **Activity**

## Yearly

User will be able to select year and data of 12 months will be displayed as 12 data points in line chart.

### Xml

* activity\_line\_chart\_bill\_monthly

### JAVA

* + LineChartBillMonthly

## Monthly

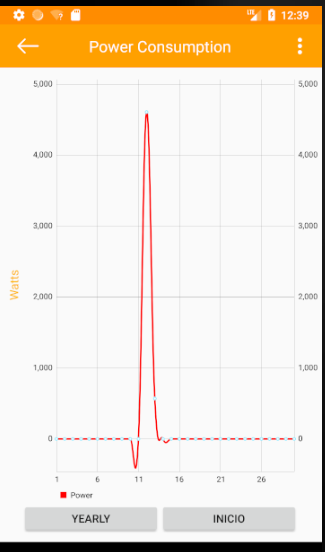
User will select month and data of that month of current year will be displayed as 30 data points in a line chart.

### XML

* + LineChartBill

### JAVA

* activity\_line\_chart\_bill



# Add Devices for Scheduling

User can add appliance for weekly schedule





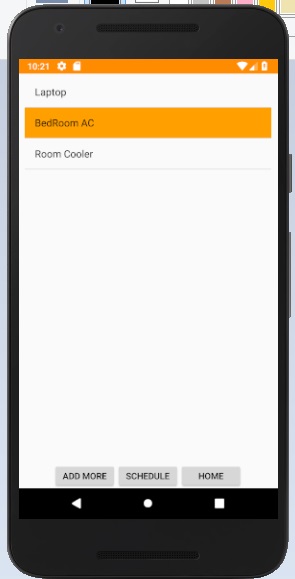
# View Appliances list to be scheduled

**Delete:**

By clicking on any device, user can delete it.

**Add More:** By clicking on **Add more** user can add more devices. He will be directed to previous screen.

**Schedule:** User can send all devices to schedule to get his weekly schedule.

A

### Activity

* **XML**
  + activity\_devices
* **JAVA**
* DevicesActivity

# View Weekly Schedule

## Activity

### XML

* + activity\_weekly-schedule

### JAVA

* WeeklyScheduling

User can view weekly schedule. User will get suggestions for using each device as per his demands.

## API

### URL

**url**=**"http://3.16.13.121:9000/get\_product"**;

### Method: Post

# Input:

{

"sam":{

"appliance\_name": "Refrigerator",

"power": 0.25,

"appliance\_type": 1,

"usage\_weekly": 0,

"total\_time": 24,

"lower\_limit": "00:00",

"upper\_limit": "24:00"

},

"sam1":{

"appliance\_name": "led lights",

"power": 0.01,

"appliance\_type": 1,

"usage\_weekly": 0,

"total\_time": 24,

"lower\_limit": "00:00",

"upper\_limit": "22:00"

},

"sam2":{

"appliance\_name": "dishwasher",

"power": 1,

"appliance\_type": 0,

"usage\_weekly": 0,

"total\_time": 1.5,

"lower\_limit": "07:00",

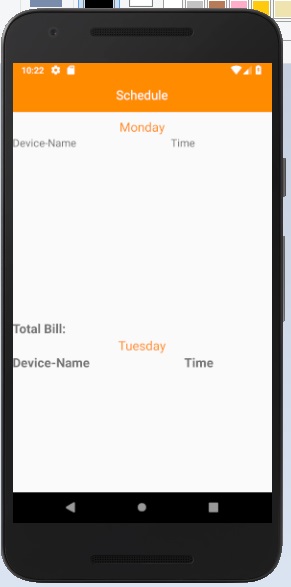
"upper\_limit": "22:00"

}

}

# Output:

[{"appliance\_name": "Refrigerator", "time": "0:00-23:59", "day": "Monday"}, {"appliance\_name": "Refrigerator", "time": "0:00-23:59", "day": "Tuesday"}, {"appliance\_name": "Refrigerator", "time": "0:00-23:59", "day": "Wednesday"}, {"appliance\_name": "Refrigerator", "time": "0:00-23:59", "day": "Thursday"}, {"appliance\_name": "Refrigerator", "time": "0:00-23:59", "day": "Friday"}, {"appliance\_name": "Refrigerator", "time": "0:00-23:59", "day": "Saturday"}, {"appliance\_name": "Refrigerator", "time": "0:00-23:59", "day": "Sunday"}, {"appliance\_name": "led lights", "time": "0:00-23:59", "day": "Monday"}, {"appliance\_name": "led lights", "time": "0:00-23:59", "day": "Tuesday"}, {"appliance\_name": "led lights", "time": "0:00-23:59", "day": "Wednesday"}, {"appliance\_name": "led lights", "time": "0:00-23:59", "day": "Thursday"}, {"appliance\_name": "led lights", "time": "0:00-23:59", "day": "Friday"}, {"appliance\_name": "led lights", "time": "0:00-23:59", "day": "Saturday"}, {"appliance\_name": "led lights", "time": "0:00-23:59", "day": "Sunday"}, {"appliance\_name": "dishwasher", "time": "17:30-18:15", "day": "Monday"}, {"appliance\_name": "dishwasher", "time": "22:15-22:37", "day": "Tuesday"}, {"appliance\_name": "dishwasher", "time": "20:30-20:45", "day": "Wednesday"}, {"appliance\_name": "dishwasher", "time": "20:00-20:11", "day": "Thursday"}, {"appliance\_name": "dishwasher", "time": "22:09-22:18", "day": "Friday"}, {"appliance\_name": "dishwasher", "time": "21:52-22:00", "day": "Saturday"}, {"appliance\_name": "dishwasher", "time": "22:21-22:27", "day": "Sunday"}, {"appliance\_name": "Refrigerator", "time": "0:00-23:59", "day": "Monday"}, {"appliance\_name": "Refrigerator", "time": "0:00-23:59", "day": "Tuesday"}, {"appliance\_name": "Refrigerator", "time": "0:00-23:59", "day": "Wednesday"}, {"appliance\_name": "Refrigerator", "time": "0:00-23:59", "day": "Thursday"}, {"appliance\_name": "Refrigerator", "time": "0:00-23:59", "day": "Friday"}, {"appliance\_name": "Refrigerator", "time": "0:00-23:59", "day": "Saturday"}, {"appliance\_name": "Refrigerator", "time": "0:00-23:59", "day": "Sunday"}, {"appliance\_name": "led lights", "time": "0:00-23:59", "day": "Monday"}, {"appliance\_name": "led lights", "time": "0:00-23:59", "day": "Tuesday"}, {"appliance\_name": "led lights", "time": "0:00-23:59", "day": "Wednesday"}, {"appliance\_name": "led lights", "time": "0:00-23:59", "day": "Thursday"}, {"appliance\_name": "led lights", "time": "0:00-23:59", "day": "Friday"}, {"appliance\_name": "led lights", "time": "0:00-23:59", "day": "Saturday"}, {"appliance\_name": "led lights", "time": "0:00-23:59", "day": "Sunday"}, {"appliance\_name": "dishwasher", "time": "11:00-11:45", "day": "Monday"}, {"appliance\_name": "dishwasher", "time": "17:30-17:52", "day": "Tuesday"}, {"appliance\_name": "dishwasher", "time": "21:05-21:20", "day": "Wednesday"}, {"appliance\_name": "dishwasher", "time": "22:45-22:56", "day": "Thursday"}, {"appliance\_name": "dishwasher", "time": "21:12-21:21", "day": "Friday"}, {"appliance\_name": "dishwasher", "time": "21:47-21:55", "day": "Saturday"}, {"appliance\_name": "dishwasher", "time": "22:42-22:49", "day": "Sunday"}]



# Request for Maintenance

## Activity

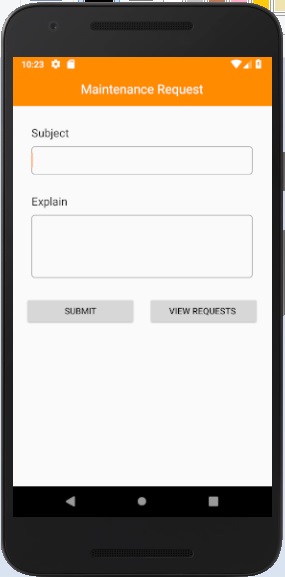
### XML

* + activity\_maintenance\_reqest

### JAVA

* MaintenanceReqestActivity

User can submit request for maintenance. User will submit complaint and will get a complaint ID in return.



## API

### Method: Post

### Url:

**"http://expertsvision.site/api/auth/complaint"**

### Input

### {

### "Title": "Battery problem",

### "Description": "Battery problem",

### "Submission\_Date":"23/3/1995",

### "Consumer\_ID":"12"

### }

### Output

{

"The Complaint ID is": 30

}

# View all Maintenance requests

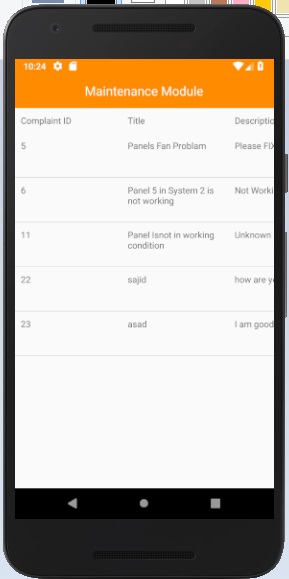
## Activity

### XML

* + activity\_maintenance\_module

### JAVA

* MaintenanceModuleActivity
* User can view all maintenance requests
* User can view following things:
* Complaint ID
* Title
* Description
* Status
* Submission Date
* Last Visit Date



## API

### Method: GET

### Url:

### <http://expertsvision.site/api/complaints/23>

### Output

{

"data": [

{

"Complaint\_ID": "28",

"Title": "laptop not working",

"Description": "my laptop is not working. please fix it",

"Status": "New Request",

"Submission\_Date": "08-11-2018",

"Last\_Visit\_Date": "---",

"Remarks": "---",

"Closing\_Date": "---"

}

]

}