

# User Documentation



## **Salalah Methanol Company Inventory Management System**

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**Devan K S**

# 1 Introduction

The SMC inventory management system allows the user to create and manage records of information related to users and the devices they have been assigned to by the IT team. The system features various validation features to remove errors in the information. It contains graphs to show information in a clearer manner. This is a system documentation to help out any future developers of the project. Many steps followed has alternate methods too. Any pethood can be used according to the users wish. A user needs to have minimum knowledge in Python and Django framework.<sup>1</sup>

# 2 Screens

There are multiple screens to this application. They allow access to the data according to the permissions given to the user. Screen accessible:

1. Login
2. Home screen
  - a. Authentication and Authorization
    - i. Groups
    - ii. Users
  - b. Inventory Management
    - i. Departments Grouped Graph
    - ii. List Of Devices
    - iii. Records Of Inventory
      1. Add record
      2. Import Records
      3. History of each record

These screens will be elaborated by using screenshots.

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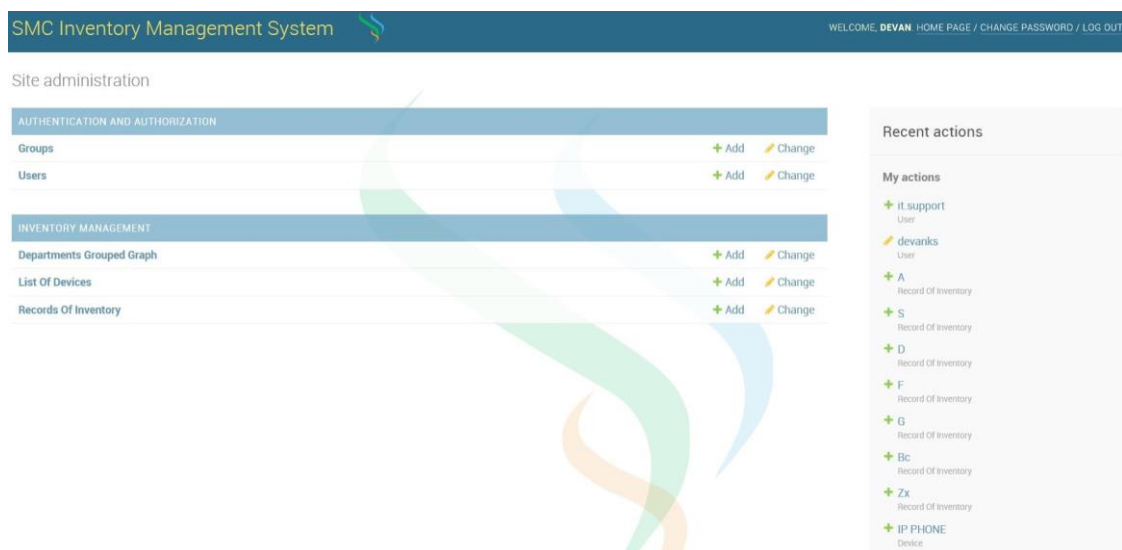
<sup>1</sup> Django can be learned by doing a [sample project](#) available online in docs.django.org

**Login:** The only way to access the console is by getting a valid username and password from the admin who already has access to the system.



The login form is titled "SMC Inventory Management System" and features a logo on the right. It contains two input fields: "Username:" and "Password:". Below the password field is a "Log in" button.

**Home:** This page contains links to the sub sections of other screens directly. The subsections and their parent sections will be hidden if you don't have the permissions for it.



The home page displays the system title and a welcome message: "WELCOME, DEVAN HOME PAGE / CHANGE PASSWORD / LOG OUT". It is divided into two main sections: "Site administration" and "Recent actions".

**Site administration**

AUTHENTICATION AND AUTHORIZATION	
Groups	+ Add Change
Users	+ Add Change

INVENTORY MANAGEMENT	
Departments Grouped Graph	+ Add Change
List Of Devices	+ Add Change
Records Of Inventory	+ Add Change

**Recent actions**

**My actions**

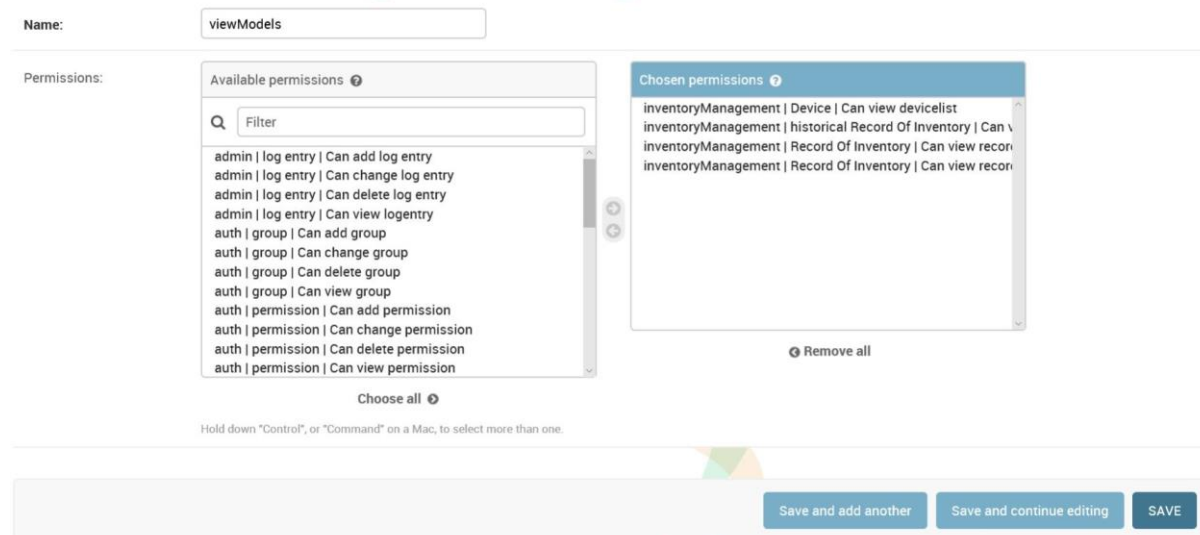
- + it support User
- + devanks User
- + A Record Of Inventory
- + S Record Of Inventory
- + D Record Of Inventory
- + F Record Of Inventory
- + G Record Of Inventory
- + Bc Record Of Inventory
- + Zx Record Of Inventory
- + IP PHONE Device

### **“Inventory Management” and “Authentication and Authorization”:**

Both of the above pages contain links to their sub sections in the original Home page. This was done so that “Breadcrumbs” feature works as expected. You can directly go to any of the subsections from the home page or go to either of these sections to select the sub section.

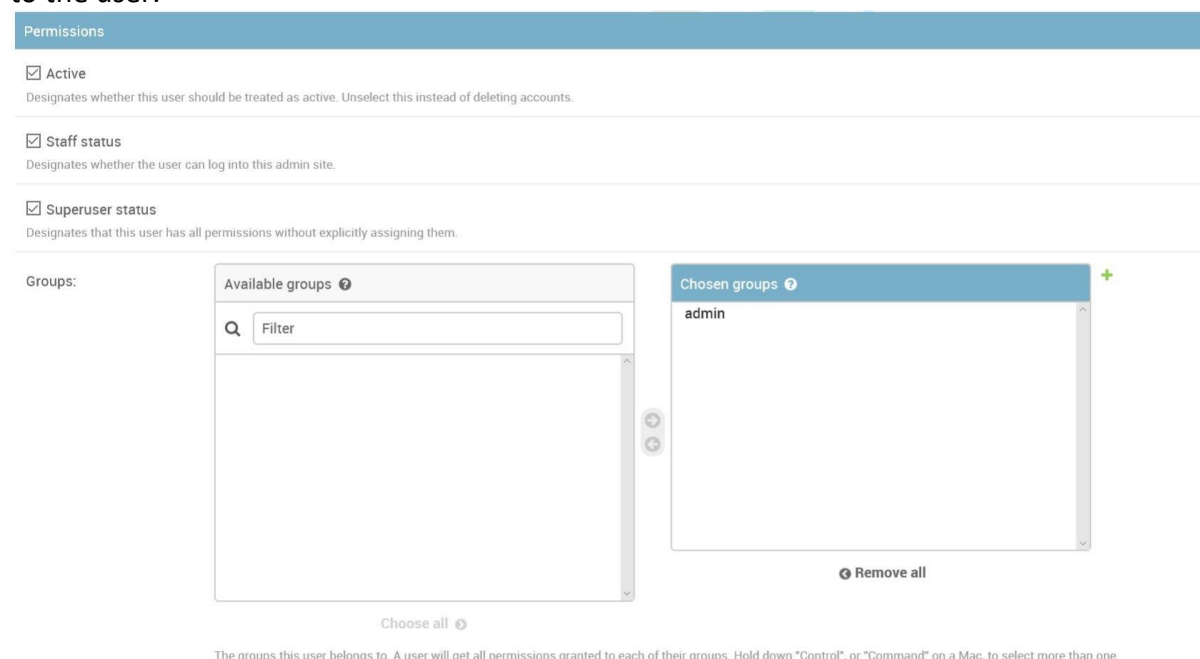
**Groups:** This page is for creating and deleting permission groups for the ease of giving and removing permission of users much more easily. You can set permissions for each user without groups, but the process will be tedious as there are a lot of permissions available.

Add group



**User:** You can create, delete or add extra details to users using the application from this portal. Changing passwords of the present user can be done anytime from the top right corner.

When Adding users please note, “Active” is just a replacement to deleting the account. It is more efficient than deleting. **“Staff Status” MUST BE GIVEN TO ALL USER WHO HAVE ACCESS TO THE SITE.** “Superuser Status” is an easy way of giving all permissions to the user.



**List of Devices:** The purpose of this page is to add device names beforehand so that input to the records list isn't corrupted. The admin can remove permissions to this module and add all devices to further drive the point. Any input given while adding will be made into capital case. And the input start and end with alphanumeric characters and must not have any consecutive spaces.

**Departments Grouped Graph:** This site requires JavaScript execution to be on for it work. It has all its major components like graphs and table creation done on JavaScript. The graph changes according to the filter applied.

**Records Of Inventory:** This page allows the user to search any of the fields from the search box, filter using the options given in the sidebar, import data using the button next to add record, or export data using the action option. The headers of the table also sort table below. Click again for descending order.

If all the information of the record isn't in the table, it will be available if you click the record name to access the full details. There is also a "History" button which takes the user to a view with all revisions made to that particular record. The changes can be reverted too.

When adding records, please make sure the device name already exists in the device List. If the user is using the built in importer, the error will be similar to "deviceName not appearing in DeviceList". The error message can change. If you are using the "Add record" page and the user has permissions to add devices, you can directly add a device from the page using the "+" on the right of the attribute. This will open a new window for input the new device name. The field will automatically get filled with the new device name.

Select Record Of Inventory to change

7 results (Show all)

Action:   0 of 7 selected

<input type="checkbox"/>	NAME	DEPARTMENT	YEAR	DEVICE	DEVICETAG	BUILDING	OLD DEVICE TAG	ITEM DESCRIPTION	SERIAL NO	BRAND	MODEL NO	SERVICE TAG	FLOOR	ROOM	REMARKS
<input type="checkbox"/>	<a href="#">A</a>	IT	2018	DESKTOP	A-IT-DES-0362	Admin	SMC-I.T-DEC-111	DELL OPTIPLEX 9020	H9KHG A01	DELL	9020	C4LH622	1ST	OPEN AREA	Che 500
<input type="checkbox"/>	<a href="#">S</a>	FINANCE	2018	LAPTOP	A-FIN-LAP-06508	Admin	SMC-6508	DELL ULTRABOOK LATITUDE E7450 CORE I5	D42G3 A00	DELL	LATITUDE E7450	FYP9H72	1ST	OPEN AREA	
<input type="checkbox"/>	<a href="#">D</a>	FINANCE	2018	DESKTOP	A-FIN-DES-00267	Admin	SMC-I.T-DES-267	DELL OPTIPLEX 9010		DELL	9010	JFL8XX1	1ST	OPEN AREA	
<input type="checkbox"/>	<a href="#">F</a>	CEO	2018	IP PHONE	A-CEO-COM-0127	Admin	SMC-IT-COM-127	CISCO CP-DSKCH-7921G	IAC132460QY	CISCO	CP-DSKCH-7921G		1ST	9	
<input type="checkbox"/>	<a href="#">G</a>	PROCUREMENT	2018	ALL IN ONE	A-PRC-AIO-07009	Admin	SMC-7005	DELL OPTIPLEX 3240 AIO	CN-08CKHR-74431-68R-0020-A00	DELL	OPTIPLEX 3240 AIO SERIES COREI5	HNR6LG2	GROUND	4 PROCUREMENT SECTION	
<input type="checkbox"/>	<a href="#">Bc</a>	FINANCE	2018	DESKTOP	A-FIN-DES-00382	Admin	SMC-I.T-DES-382	DELL OPTIPLEX 9020		DELL	9020	H7KH622	1ST	OPEN AREA	Che 500
<input type="checkbox"/>	<a href="#">Zx</a>	MARKETING	2018	IP PHONE	A-MKT-COM-07234	Admin		CISCO IP PHONE IP7945	FCH1527AGJ4	CISCO	IP 7945	B8621F6CA37D	1ST	10	Allo 201

**FILTER**

By department

By year

By device