IPA

Insurance Plumbing App



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Section 1 - Admin Website

System overview

This website eases the workflow of an admin since it allows the admin to capture caller details, generate a case report, close cases that are completed, generate reports, add new employee, delete existing employee and generate statistics to give them an overview. This website is only designed for the admin.

System Configuration

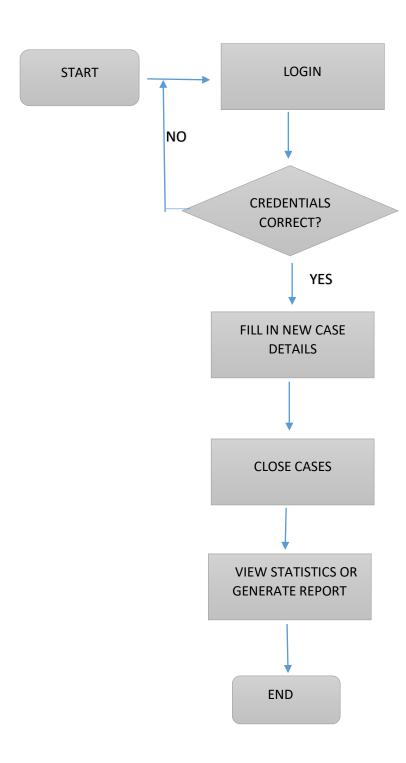
This website works across all the web browsers. Furthermore, it communicates with the database for all events that are performed by the admin. To access this website, internet connection is required.

Website URL

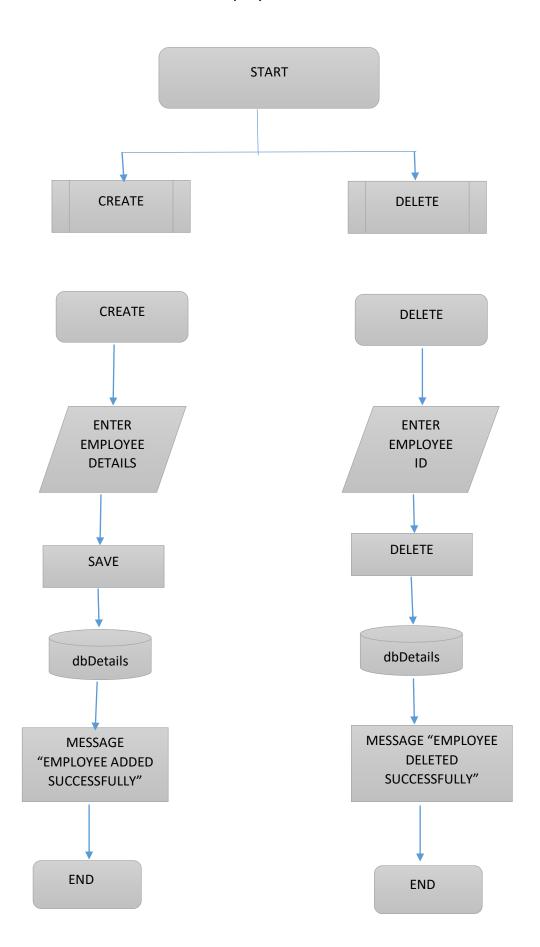
Below is the url to access the website: https://tk-naidu.github.io

Getting Started

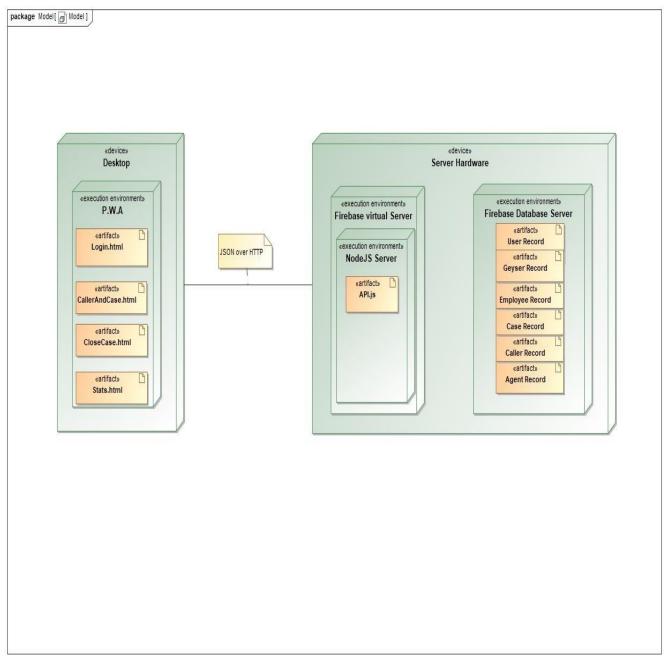
Below is typical walkthrough (in a form of flowchart) of the website:



Workflow to add and delete an employee



Deployment Diagram

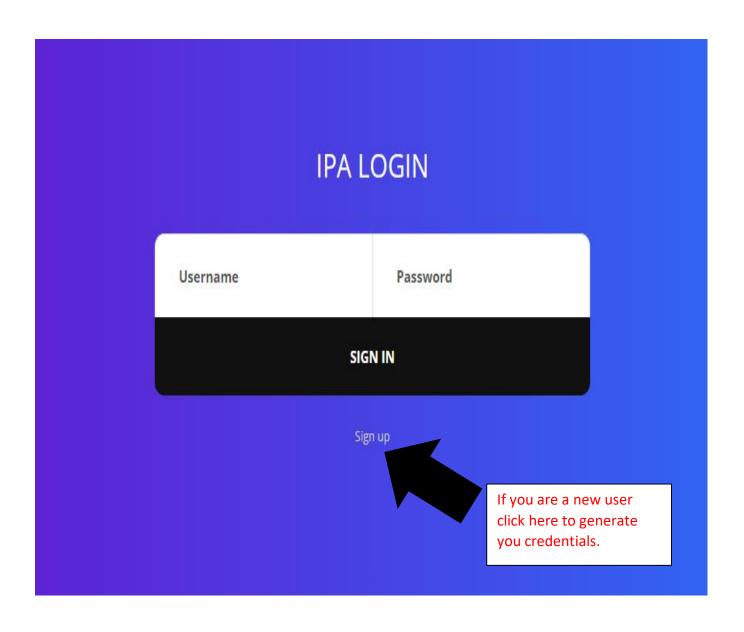


This deployment model basically gives you an overview of the system and what artifacts and technologies are used to deploy this system.

Guidelines as how to use this website

<u>Login Page</u>

=> If you are not a new agent then enter your credentials in order to proceed.



Signup Page

⇒ If you are a new agent, you have to signup first and then login to proceed.

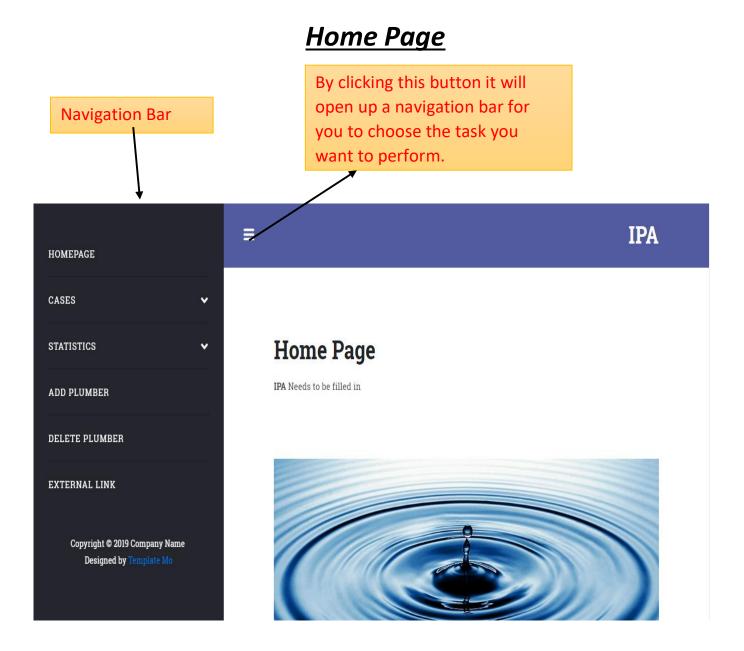
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Sign Up New Agent

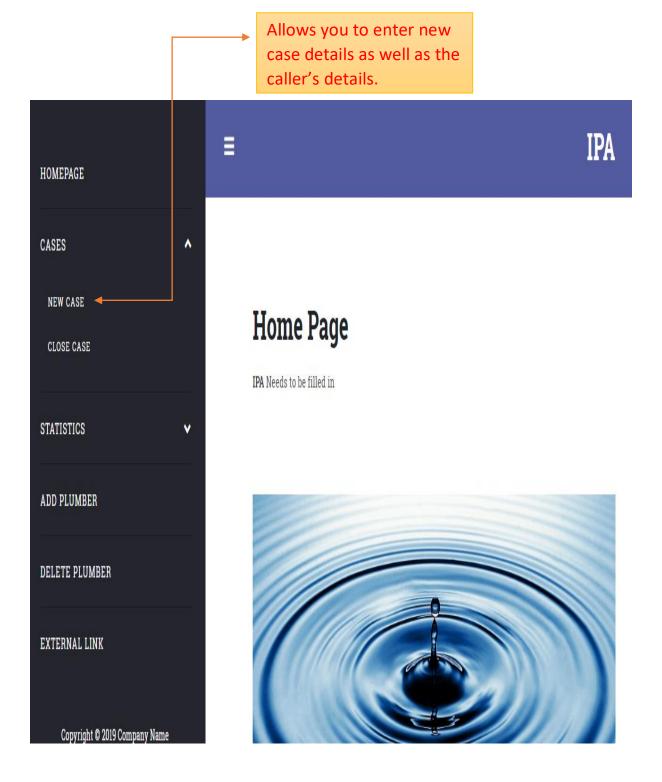
Full name	
Agent ID	
Note: please click the generate button to create an ID.	

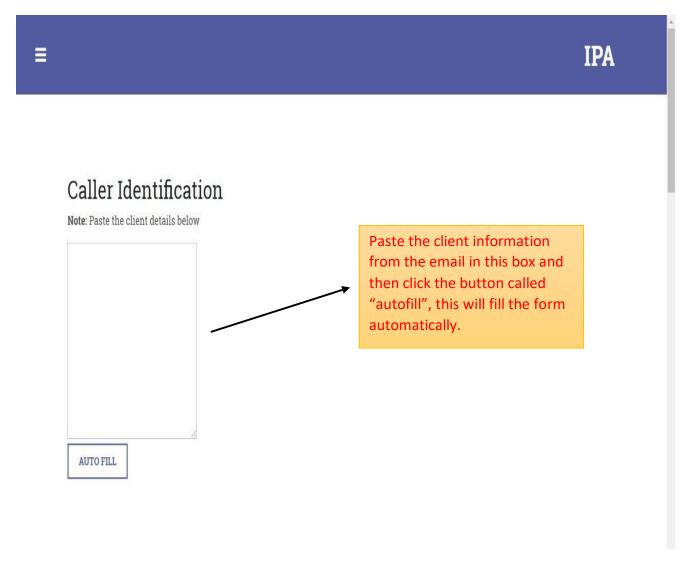
Password Note: Generate or type your own password. Show Password GENERATE AGENT PASSWORD Confirm Password By clicking this button you will get a suggested password which we highly recommend	GENERATE AGENT ID	
Show Password Confirm Password SIGNUP By clicking this button you will get a suggested password	Password	
GENERATE AGENT PASSWORD Confirm Password SIGNUP By clicking this button you will get a suggested password	Note: Generate or type your own password.	
GENERATE AGENT PASSWORD Confirm Password SIGNUP By clicking this button you will get a suggested password		
Confirm Password SIGNUP By clicking this button you will get a suggested password	Show Password	
By clicking this button you will get a suggested password		
By clicking this button you will get a suggested password	SIGNUP	
for security purpose	333103	will get a suggested password which we highly recommend

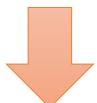
otherwise you can create your own password.

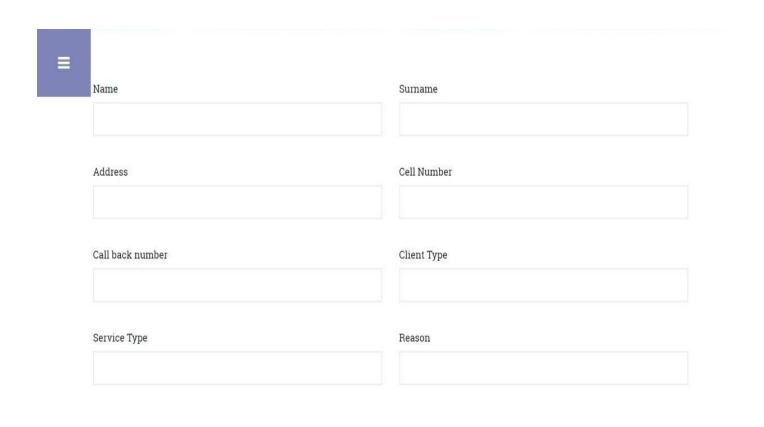


Entering details of a new case









Generating Case Report

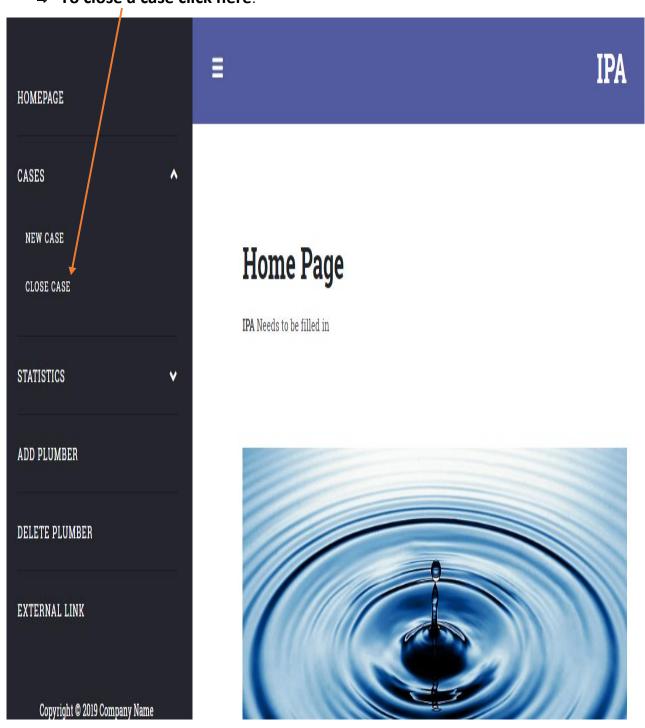
Case ID	Caller ID
GENERATE CASE ID Incident Date	GENERATE CALLER ID Case Description
GET CURRENT DATE Case Status	
completed	

Case Status		
completed		
Plumber ID	Case Opened by (Agent ID)	
	<u> </u>	
SUBMIT		
	Enter your ID (choose from the	

dropdown).

Closing a case

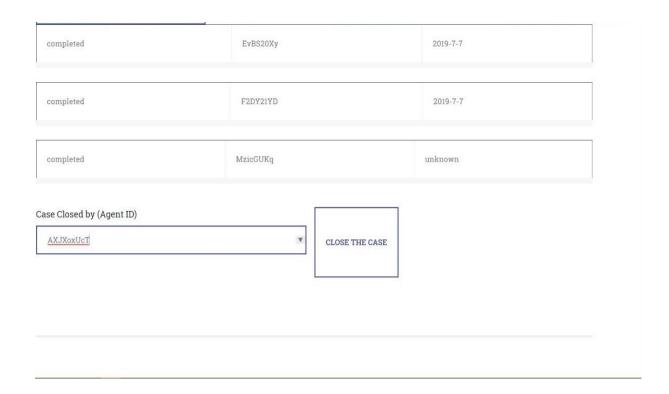
⇒ To close a case click here:



By clicking on the "view cases that needs to be closed "button, a list of cases will be displayed that needs to be closed and then enter you agent ID in order to close it. Below is an example as how to close a case/cases.

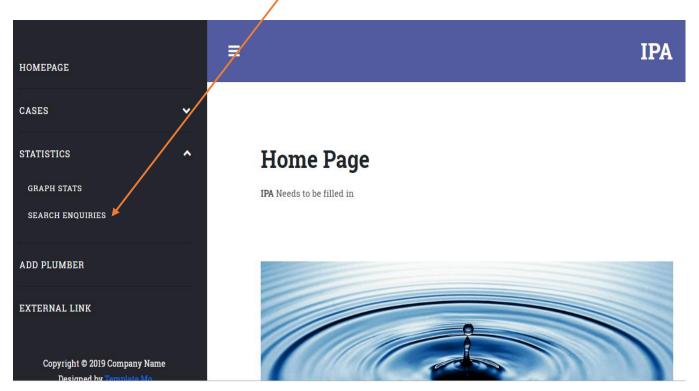
=		IPA
Close a Case		
VIEW CASES THAT NEEDS TO Case Closed by (Agent ID)	BE CLOSED	
	CLOSE THE CASE	
/hen "view case that n	eeds to be closed" button clicked a list	t of cases are shown:
	eeds to be closed" button clicked a list	t of cases are shown:
VIEW CASES THAT NEEDS TO BE CLO	eeds to be closed" button clicked a list	
VIEW CASES THAT NEEDS TO BE CLO	eeds to be closed" button clicked a list	2019-7-7

[⇒] Choose your agent ID from the drop down and click "close the case" button.



Searching for cases handled by a specific plumber

⇒ To perform search functionality click here:



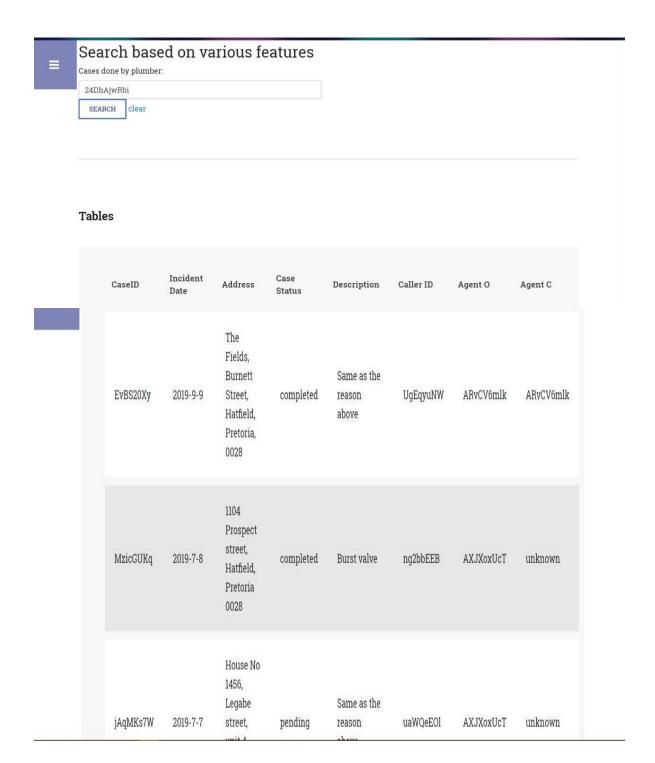
Enter the plumber's ID to get details on the cases handled by a specific plumber.



Tables

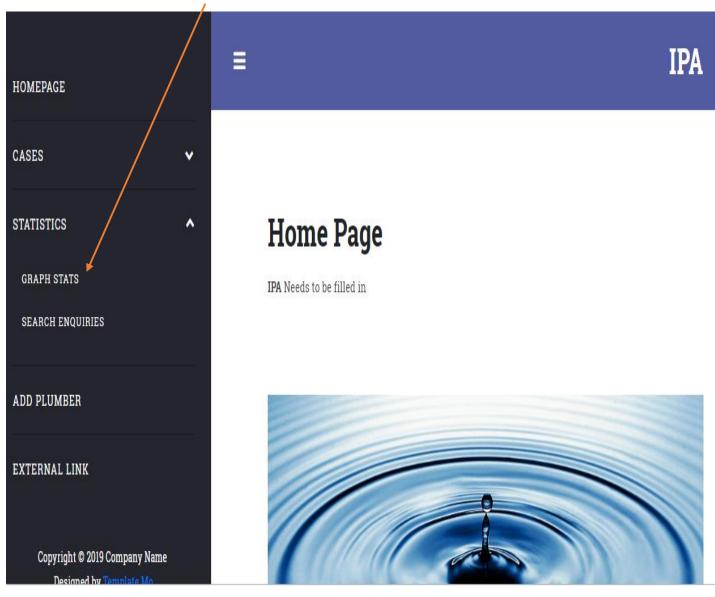


=>Example of searching for case handled by plumber ID 24DhAjwRbi

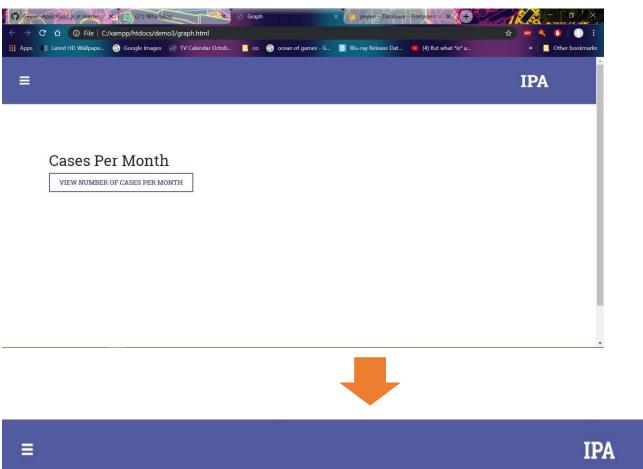


Statistics

To view Statistics, click here:



Click on the button called "view number of cases per month " to get an overview of the cases handled per month.

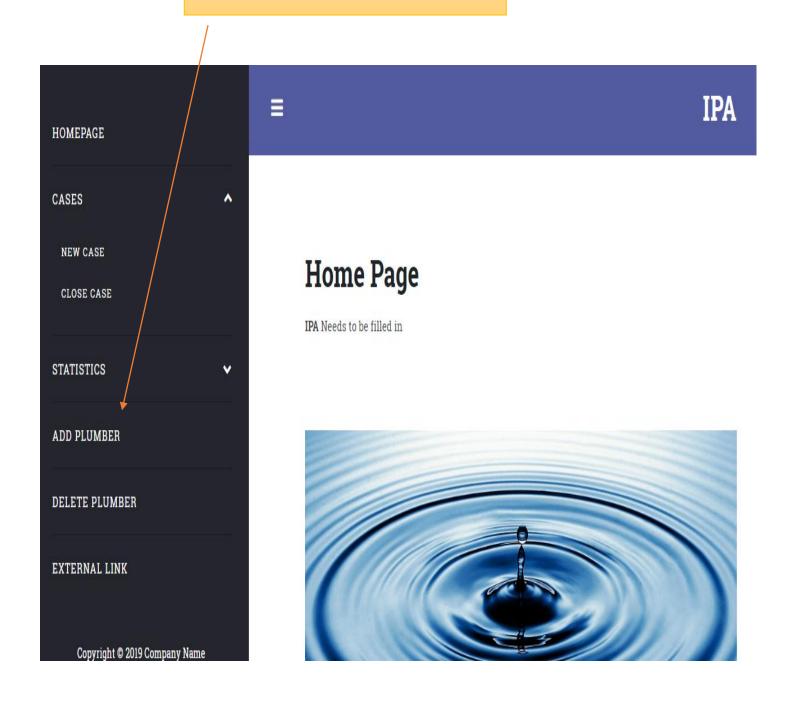






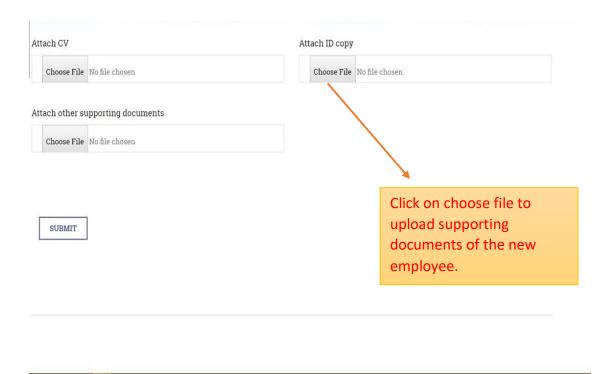
Adding a new employee

To add a new employee click here.



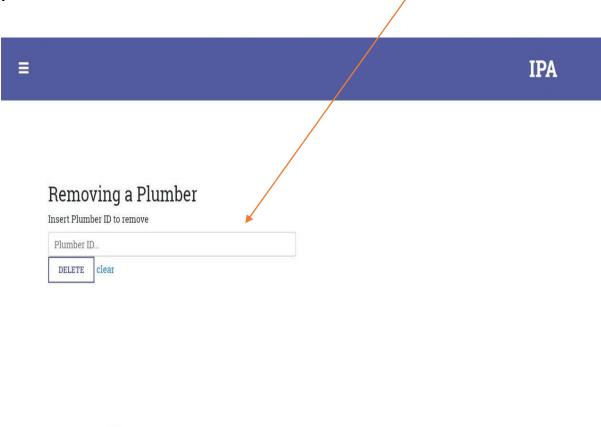
Add New Plumber

Note: Plumber's details can be copy-pasted below from the CV else you can manually type it out	
AUTO FILL	
me	ID number
ll Number	Address
imber ID	Plumber Password
GENERATE PLUMBER ID	GENERATE PLUMBER PASSWORD

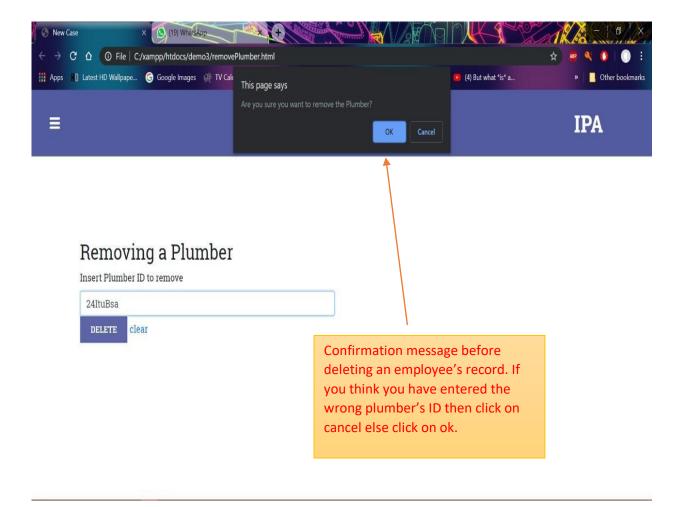


Deleting an employee

In order to remove an employee's records from a database, insert the plumber's ID .



Example of deleting an employee's record from the database.



Troubleshooting

Error messages will appear if required fields that need to be filled in have been left blank. In this instance an error message in red will appear underneath the required field. This occurs when filling in case details, new employee's details, login and sign up page. This can be avoided by filling in the required fields.

Section 2 - Plumber app

System Overview

Summary: Information about the geyser and its installation, including relevant documents, are recorded and kept on a database in order to ease the installation process.

Plumbers: The app intends to help the user through any documentation a they might do for a geyser installation/repair.

Homeowners: The app intends to provide a way for users to access information about their registered geyser(s).

Administrators: User data is stored online in a remote, secure database for any queries that the admin requires data for.

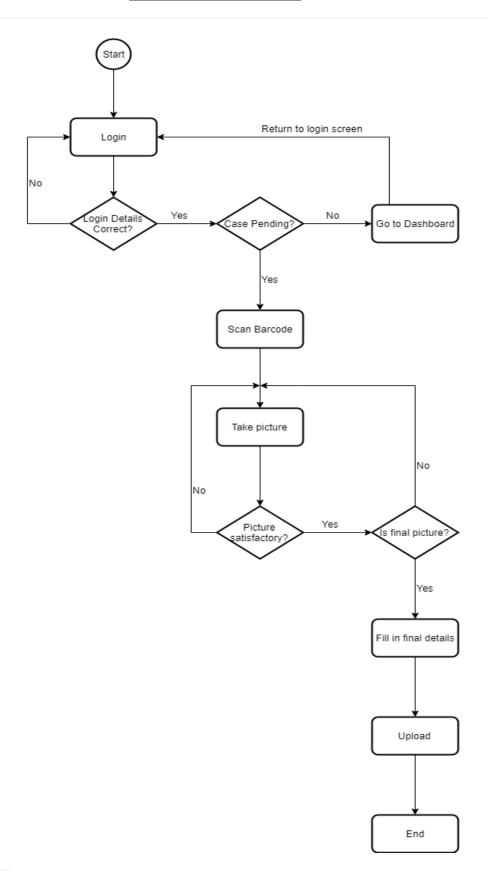
System Configuration

This app works on all mobile devices running an Android Operating System, minimum version Oreo. The app communicates with the database on two occasions, one for a login process and once more when either retrieving or sending records from the database for an installation/repair or a data query. The application requires any internet connection to work.

Installation

This software is provided by the administrator. The APK for installation can be found on our project Github page under the "Build" folder. To install simply run the apk on the device and when prompted whether sure or not press "install anyways".

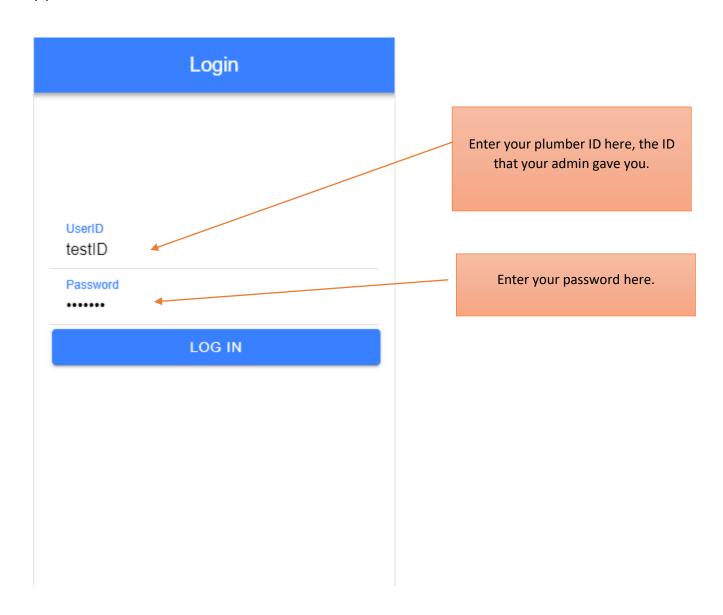
Getting Started



Using the System

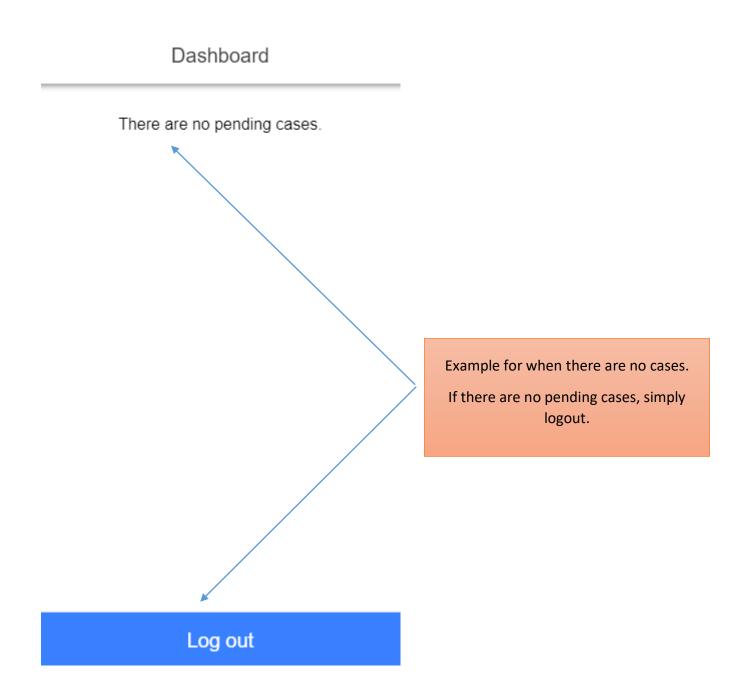
Logging in

In order to proceed with the app you will have to login using your credentials given to you by your admin.



Dashboard

This is the Dashboard. Should the user have a pending case to work on the dashboard will be skipped and the process for installation/repair will automatically begin, else the user will be told they have no pending cases and can log out.



Barcode Scanner

There is only button here and it is the "Scan code" button. This identifies the geyser that the user will be working on.

Barcode Scanner

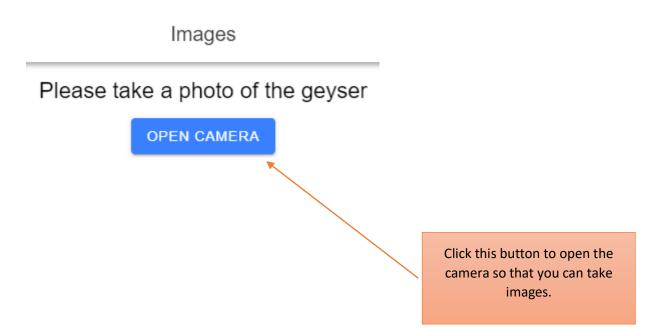
Press Button To Scan

SCAN CODE

Press this button to open the barcode scanner and place the barcode within the field to scan it.

Camera

This screen prompts the user to take pictures of the corresponding geyser part. Pressing the "Open Camera" button will open the camera to take a picture. Once a picture has been taken the user will be given a preview of the picture and the option to retake the picture using the "Retake picture" option depicted below. If the user is satisfied with the picture they can press the "Confirm" button to proceed to the next image.



Geyser Detail Capture

All details from top to bottom: Capacity, Model, Manufacturer, Insurance must be filled out and are required in order to be able to press the "Confirm" button and send the details to the database. This is especially important as this is the step where the data is sent to the database. The actual sending only happens after pressing "Confirm". An alert will inform the user that the details were sent. Capacity is a drop down list to conform to database values.

Capture Details		
Geyser Details		
Capacity	Select One ▼	
Model		
Manufacturer		
Insurance		
	CONFIRM	

Troubleshooting

Error messages will appear if required fields that need to be filled in have been left blank. In this instance an error message in red will appear underneath the required field. This occurs on the login page and on the details page. This can be avoided by filling in the required fields.