

## Documentation

1. Login: (email and password) using the users' email to distinguish the normal employee and admin
2. Two types of user: normal employee: using the html file: index\_employee  
Admin: using the html file: index\_admin
3. functions of normal employee: only have the functions of view modules (statistics about their usage) and watching the FAQ page.
4. functions of admin: have the functions of view modules, watching FAQ page, do the settings of modules (add new modules or delete modules)
5. Simple introduction about modules adding

The code of functions of creating charts are stored in the chart.js document. In order to add new modules into this website, the functions of these modules should be written in the chart.js document and the array of this modules should be imported from database. We do not have database right now, so we just write the array in modules. After that, some JavaScript codes about the id "add1" "add2" need to be written. When click "#add1", a new box which has class ". box" ". box1" is created and the html codes of this module are appended into this new box and do the function that draw this module.

6. AAA\_module: Handles the authorization and the session variables

### 1.Login page

```
{#{% extends "app/layout.html"%}#}
```

```
{% block header %}  
  <link rel="stylesheet" href="https://basecoat.dimensiondata.com/css/dd.basecoat.css">  
  <link rel="stylesheet" href="https://basecoat.dimensiondata.com/examples/css/minimal-  
layout.css">  
  <link rel="stylesheet" href="https://basecoat.dimensiondata.com/examples/css/login-  
register.css">  
  <meta charset="utf-8">  
  <meta http-equiv="x-ua-compatible" content="ie=edge">  
  <meta name="viewport" content="width=device-width, initial-scale=1">  
  <title>Login</title>  
  <link rel="stylesheet"  
href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,300i,400,400i,700,700i,90  
0,900i">  
  <meta name="application-name" content="Dimension Data">  
  <link rel="apple-touch-icon-precomposed" sizes="144x144"  
href="https://basecoat.cdn.dimensiondata.com/latest/img/favicon/apple-touch-icon-  
144x144.png" />  
  <link rel="icon" type="image/png"  
href="https://basecoat.cdn.dimensiondata.com/latest/img/favicon/favicon-32x32.png"  
sizes="32x32" />
```

```

<link rel="icon" type="image/png"
href="https://basecoat.cdn.dimensiondata.com/latest/img/favicon/favicon-16x16.png"
sizes="16x16" />
<link rel="icon" type="image/png"
href="https://basecoat.cdn.dimensiondata.com/latest/img/favicon/favicon-128.png"
sizes="128x128" />
<meta name="msapplication-TileColor" content="#FFFFFF" />
<meta name="msapplication-TileImage"
content="https://basecoat.cdn.dimensiondata.com/latest/img/favicon/mstile-144x144.png" />
{% endblock %}

{% block pagecontent %}
<div class="minimal-layout">

<header class="header">
<div class="horizontal-logo horizontal-logo-solid">
<a href="#" title="Dimension Data" class="logo-image">

</a>
<div class="logo-title three-lines">
<span>login</span>
</div>
</div>
</header>

<div class="page-wrapper">

<div class="container">
<div class="row">
<div class="col-xs-12 col-md-9 col-lg-7 col-center">

<div class="panel" data-panel="login">
<div class="panel-heading text-center">
<h1 class="no-margin-bottom">Login</h1>
</div>
<div class="panel-body">
<div class="row">
<div class="col-xs-12">

<!-- form -->
<form action="{% url 'AAA' %}" method="POST">
{% csrf_token %}

```

```

<div class="row">

    <!-- Email -->
    <div class="col-xs-12">
        <div class="form-group has-icon">
            <label class="control-label" for="email">Email</label>
            <input name = "email" type="text" placeholder="Enter your
email address" class="form-control" id="email" required>
            <span class="form-control-feedback fa-user"></span>
        </div>
    </div>

    <!-- Password -->
    <div class="col-xs-12">
        <div class="form-group has-icon has-password-toggle">
            <label class="control-label"
for="loginPassword">Password</label>
            <input name="password" type="password" placeholder="Enter
your password" class="form-control" id="loginPassword" required>
            <span class="password-toggle"></span>
            <span class="form-control-feedback fa-lock"></span>
        </div>
    </div>
    <div class="col-xs-12">

        </div>
        <div class="col-xs-12 text-center">
            <button type="submit" class="btn btn-block btn-primary bottom-
gutter">Submit</button>
        </div>
    </div>
</form>
</div>
</div>
</div>
</div>
{% endblock %}

{% block footer %}
    <footer class="footer">
        <div class="row">
            <div class="col-xs-12">
                <p class="footer-copyright">COPYRIGHT &copy; placeholder.</p>
                <ul class="list-inline footer-links">

```

```

<li><a href="#">Privacy</a></li>
<li><a href="#">Terms of use</a></li>
<li><a href="#">Cookie policy</a></li>
</ul>
</div>
</div>
</footer>
</div>
{% endblock %}

{% block scripts %}

<script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>
<script src="https://basecoat.dimensiondata.com/js/dd.basecoat.js"></script>
<script src="https://basecoat.dimensiondata.com/examples/js/example-
validation.js"></script>
<script src="https://basecoat.dimensiondata.com/examples/js/login-
register.js"></script>
<script src="https://basecoat.dimensiondata.com/js/outdated-browser.js"></script>

{% endblock %}

```

## 2. index\_employee page

```
{% load static %}

<!DOCTYPE html>

<html class="desktop-menu-open" lang="en">

  <head>

    <meta charset="utf-8">

    <meta http-equiv="x-ua-compatible" content="ie=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

    <title>index_admin</title>

    <!-- meta name="description" content="Description of the page less than 150 characters" -->

    <!-- meta description -->

    <meta name="theme-color" content="#ffffff">

    <link rel="stylesheet"

href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,300i,400,400i,700,700i">

    <link rel="stylesheet"

href="https://basecoat.cdn.dimensiondata.com/2.0.0/css/dd.basecoat.min.css">

    <link rel="stylesheet" href="static/app/content/nav.css" >

    <!-- main -->

    <script

src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>
```

The css file and js file are all in the 'static' document

```

<script src="static/app/scripts/dd.basecoat.js" ></script>
<script defer src="static/app/scripts/outdated-browser.js"></script>
<!-- chart -->
<script src="static/app/scripts/charts.js"></script>
<script src="static/app/scripts/functions.js"></script>

<script src="https://cdn.bootcss.com/jquery/3.3.1/jquery.js"></script>

<script src="static/app/scripts/echarts.js" type="text/javascript"></script>

</head>

<body>
<div class="sticky-footer-layout desktop-menu-layout mobile-menu-layout">
  <!-- Site header -->
  <header class="site-header">
    <nav class="navbar navbar-fixed-top">
      <ul class="nav navbar-nav navbar-left">
        <li>
          <a class="horizontal-logo" href="login.html" title="Return home">
            <div class="logo-image" title="Dimension Data"></div>
            <div class="logo-title"><span>lws<br>ITservices</span></div>
          </a>
        </li>
      </ul>

      <ul class="nav navbar-nav navbar-right">

        <li class="dropdown hidden-mobile">
          <a href="#" data-toggle="dropdown" role="button" aria-haspopup="true"
expanded="false" class="dropdown-toggle">
            <span class="fa fa-user"></span> {{ email }} <span class="caret"></span>
          </a>
          <ul class="dropdown-menu">
            <li><a href="#">My account</a></li>
            <li role="separator" class="divider"></li>
            <li><a href="{% url 'login' %}">Sign out</a></li>
          </ul>
        </li>

      </ul>
    </nav>
  </header>
  <div class="col-xs-2 side-bar top-gutter hidden-mobile">

```

Here are the nav codes.  
Sign out links to login page.  
User name links to the email of users

```

<h1>lws</h1>
<h2>IT services</h2>
</div>

<!-- Page content -->
<main class="page-wrapper top-gutter container">
  <!-- header datepicker -->
  <header class="top-gutter">
    <ul class="container">

    </ul>
  </header>
  <!-- boxes -->
  <div class="container bottom-gutter btn-area">

    <!-- box Q&A -->
    <div class="col-sm-6 col-xs-12">
      <div class="box">
        <a href="{% url 'faqpage' %}" type="button" class="btn btn-primary">Q&A</a>
      </div>
    </div>
  </div>

</main>

<!-- Site footer -->
<footer class="footer">
  <div class="row">
    <div class="col-xs-12">
      <p class="footer-copyright">&copy; Copyright 2017. Dimension Data. </p>
      <ul class="list-inline footer-links">
        <li><a href="#">Privacy</a></li>
        <li><a href="#">Terms of use</a></li>
        <li><a href="#">Cookie policy</a></li>
      </ul>
    </div>
  </div>
</footer>

</div>
</body>
</html>

```

Here are FAQ codes.  
It links to another html file.  
However, it haven not  
connected to the database  
because we donot have  
database.

### 3. index\_admin page

```
<!DOCTYPE html>
<html class="desktop-menu-open" lang="en">
  <head>
    <meta charset="utf-8">
    <meta http-equiv="x-ua-compatible" content="ie=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
    <title>index_admin</title>
    <!-- meta name="description" content="Description of the page less than 150 ch
--> <!-- meta description-->
    <meta name="theme-color" content="#ffffff">
    <link rel="stylesheet"
href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,300i,400,400i,700,700i"
    <link rel="stylesheet"
href="https://basecoat.cdn.dimensiondata.com/2.0.0/css/dd.basecoat.min.css">
    <link rel="stylesheet" href="static/app/content/nav.css" >
    <!-- main -->
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>
    <script src="static/app/scripts/dd.basecoat.js"></script>
    <script defer src="static/app/scripts/outdated-browser.js"></script>
    <!-- chart -->

    <script src="static/app/scripts/charts.js"></script>
    <script src="static/app/scripts/functions.js"></script>

    <script src="https://cdn.bootcss.com/jquery/3.3.1/jquery.js"></script>

    <script src="static/app/scripts/echarts.js" type="text/javascript"></script>

  </head>

  <body>
    <div class="sticky-footer-layout desktop-menu-layout mobile-menu-layout">
      <!-- Site header -->
      <header class="site-header">
        <nav class="navbar navbar-fixed-top">
          <ul class="nav navbar-nav navbar-left">
            <li>
              <a class="horizontal-logo" href="login.html" title="Return home">
                <div class="logo-image" title="Dimension Data"></div>
                <div class="logo-title"><span>lws<br>ITservices</span></div>
              </a>
            </li>
          </ul>
        </nav>
      </header>
    </div>
  </body>
</html>
```

The css file and js file  
are all in the 'static'  
document

chart.js: codes about all  
the chart..

function.js: codes about  
functions of buttons:  
move box, add new  
box, add new modules,  
delete modules.

echarts.js: basic codes of  
chart.js.

```

    </li>
</ul>

<ul class="nav navbar-nav navbar-right">

    <li class="dropdown hidden-mobile">
        <a href="#" data-toggle="dropdown" role="button" aria-haspopup="true" aria-
expanded="false" class="dropdown-toggle">
            <span class="fa fa-user"></span> {{ email }} <span class="caret"></span>
        </a>
        <ul class="dropdown-menu">
            <li><a href="#">My account</a></li>
            <li role="separator" class="divider"></li>
            <li><a href="{% url 'login' %}">Sign out</a></li>
        </ul>
    </li>

    <!--li class="mobile-menu-toggle hidden-desktop" data-toggle="mobile-menu"
title="Mobile menu">
        <button type="button" class="navbar-btn btn"><i aria-hidden="true" class="fa
fa-bars"></i></button>
    </li-->

    <li id="setting-top" class="fr hidden-desktop">
        <button type="button" class="btn btn-block btn-primary"><span class="fa fa-
gear"></span></button>
    </li>
</ul>
</nav>
</header>
<div class="col-xs-2 side-bar top-gutter hidden-mobile">
    <h1>lws</h1>
    <h2>IT services</h2>
</div>

<!-- Page content -->
<main class="page-wrapper top-gutter container">
    <!-- header datepicker -->
    <header class="top-gutter">
        <ul class="container">
            <li id="setting" class="fr">
                <button type="button" class="btn btn-block btn-primary"><span class="fa fa-
gear"></span></button>settings</button>
            </li>
        </ul>
    </main>

```



```

</header>

<!-- boxes -->
<div class="container bottom-gutter btn-area">

    <!-- box-add -->
    <div class="col-sm-6 col-xs-12 myhide">
        <div id="box-add" class="box">
            <div class="col-xs-12 col-sm-6 col-lg-3 bottom-gutter add">
                <!-- <button type="button" class="box-add btn btn-primary">Add new
chart</button> -->
                <!-- modal trigger -->
                <button type="button" class=" mybtn btn btn-primary" data-toggle="modal"
data-target="#simpleDialogExample">
                    add new modules
                </button>

                <!-- modal code should be placed just before your closing </body> tag -->
                <div class="modal fade" tabindex="-1" role="dialog"
id="simpleDialogExample">
                    <div class="modal-dialog modal-sm" role="document">
                        <div class="modal-content">
                            <div class="modal-header">
                                <h5 class="modal-title">Select backup server</h5>
                            </div>
                            <div class="modal-body">
                                <ul class="btn-list">
                                    <li>
                                        <a href="#" data-dismiss="modal">
                                            <span class="fa fa-server"></span>chart1
                                            <button id="add1" class="btn-add fr">add</button>
                                        </a>
                                    </li>
                                    <li>
                                        <a href="#" data-dismiss="modal">
                                            <span class="fa fa-server"></span>chart2
                                            <button id="add2" class="btn-add fr">add</button>
                                        </a>
                                    </li>
                                    <li>
                                        <a href="#" data-dismiss="modal">
                                            <span class="fa fa-server"></span>chart3
                                            <button id="add3" class="btn-add fr">add</button>
                                        </a>
                                    </li>
                                </ul>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>

```

```

        </li>
    </ul>
</div>
<div class="modal-footer">
    <!-- use the .btn-link-toolbar for the correct padding if the footer
only contains link buttons -->
    <div class="btn-link-toolbar">
        <button type="button" class="btn btn-link" data-
dismiss="modal">Cancel</button>
    </div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>

<!-- box Q&A -->
<div class="col-sm-6 col-xs-12">
    <div class="box">
        <a href="{% url 'faqpage' %}" type="button" class="btn btn-primary">Q&A</a>
    </div>
</div>

<!-- new box -->
<!-- <div class='col-sm-6 col-xs-12'>
    <div class='box box3'>
        <div class='box-header clearf'>
            <div class='title col-xs-3'>title</div>
            <ul class='fr'>
                <a href='#' class='col-xs-1 changeCol'>
                    <span class='fa fa-pencil'></span>
                </a>
                <a href='#' class='col-xs-1 move'>
                    <span class='fa fa-th-large'></span>
                </a>
                <a href='#' class='col-xs-1 trash trash1'>
                    <span class='fa fa-trash'></span>
                </a>
            </ul>
        </div>
        <div class='clearf'>
            <li class='col-xs-3'>

```

```

        <div class='heading'>Choose date</div>
    </li><li class='col-xs-4'>
        <div class='form-group has-icon'>
            <input type='month' name='' value=''></div>
        </li>
    </div>
</div>
</div> -->
</div>

</main>

<!-- Site footer -->
<footer class="footer">
    <div class="row">
        <div class="col-xs-12">
            <p class="footer-copyright">&copy; Copyright 2017. Dimension Data.</p>
            <ul class="list-inline footer-links">
                <li><a href="#">Privacy</a></li>
                <li><a href="#">Terms of use</a></li>
                <li><a href="#">Cookie policy</a></li>
            </ul>
        </div>
    </div>
</footer>

<!-- Mobile menu -->
<!-- <div class="mobile-menu">
    <div class="content">
        <div class="scrollbars scrollbars-light">
            <nav class="drilldown">
                <ul class="nav">
                    <li class="menu-header">
                        <div class="horizontal-logo" data-toggle="mobile-menu" title="Mobile
menu">

                            <div class="logo-image" title="Dimension Data"></div>
                            <div class="logo-title"><span>living<br>styleguide</span></div>
                        </div>
                    </li>
                    <li><a href="../html/homepage222.html">Home</a></li>
                    <li>
                        <a href="../html/personal-profile.html">Printer services usage</a>
                    </li>
                    <li>

```

```

        <a href="../html/meetingRoom.html">Meeting room usage</a>
    </li>
    <li>
        <a href="../html/printer-services.html">Printer services usage</a>
    </li>
</ul>
</nav>
</div>
</div>
</div> -->
</div>
</body>
</html>

```

## 6. AAA module

AAA_module
+ getEmailSessionVar(request): request
+ setEmailSessionVar(request): request
+ setAdminSessionVar(request, boolean): request
+ isAdmin(request): boolean
+ authenticate(request): [not implemented]
+ authorize(request): boolean
+ userHasBeenCleared(request): boolean
+ clearSessionVars(request): Null