Exam project

Real estate cms system

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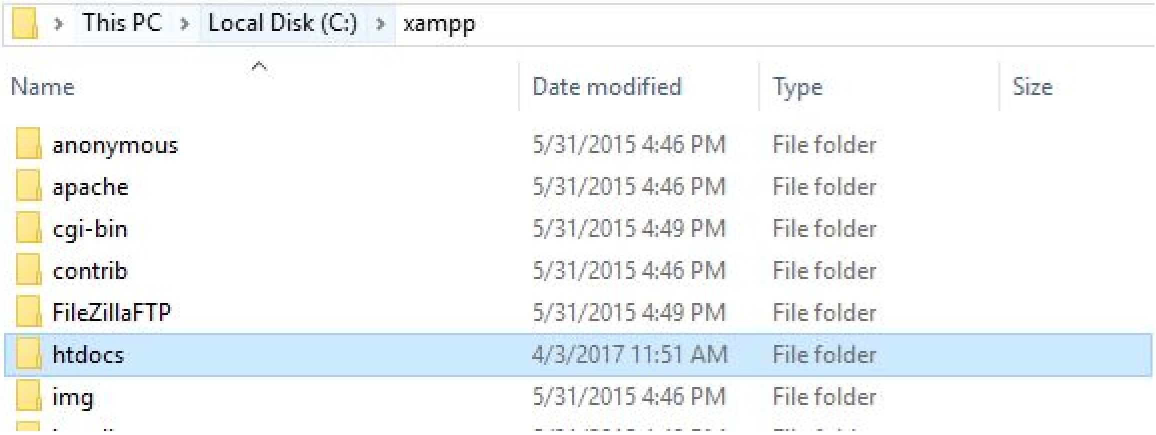
How to run the project

Copy the realestate.cms folder into your server root folder



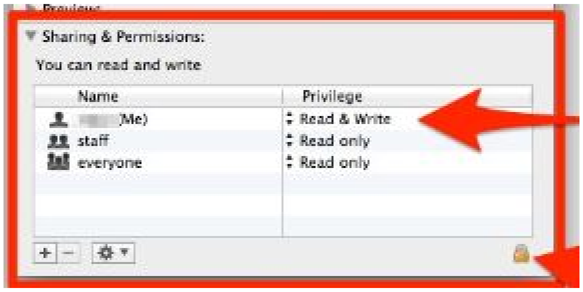
This PC > Local Disk (C:) > xampp

Name	Date modified	Type	Size
anonymous	5/31/2015 4:46 PM	File folder	
apache	5/31/2015 4:46 PM	File folder	
cgi-bin	5/31/2015 4:49 PM	File folder	
contrib	5/31/2015 4:46 PM	File folder	
FileZillaFTP	5/31/2015 4:49 PM	File folder	
htdocs	4/3/2017 11:51 AM	File folder	
img	5/31/2015 4:46 PM	File folder	

Access the website through localhost/realestate.cms/

localhost/realestate.cms/

If you're using a unix system, give everyone permission to edit the folder.



Previews

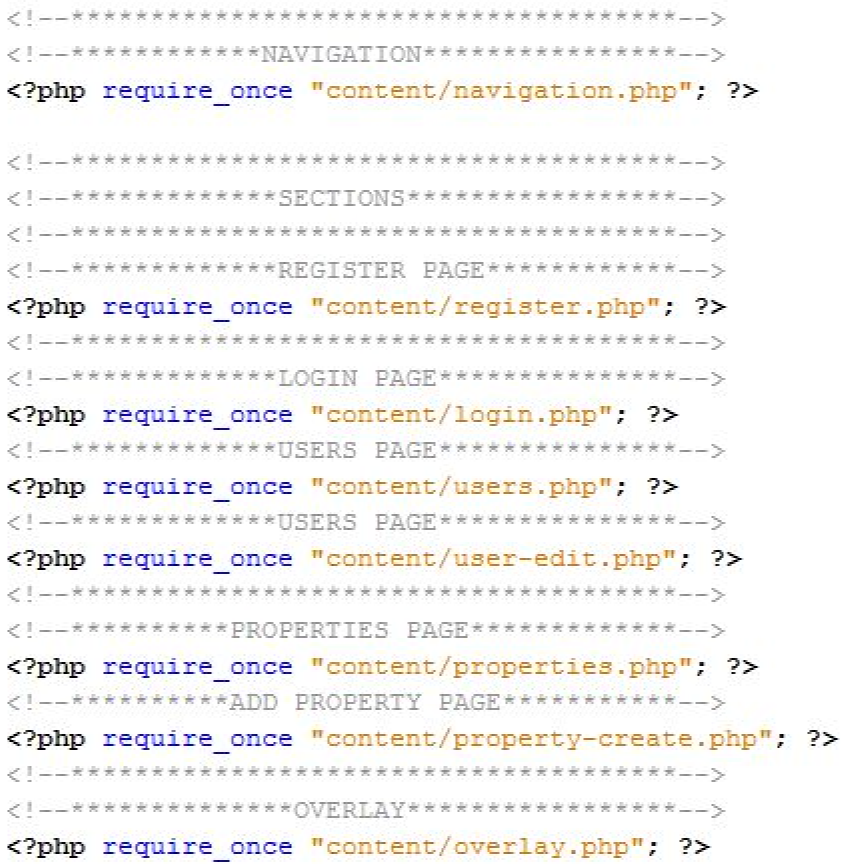
Sharing & Permissions:

You can read and write

Name	Privilege
[redacted] Me)	Read & Write
staff	Read only
everyone	Read only

The system is a single page app

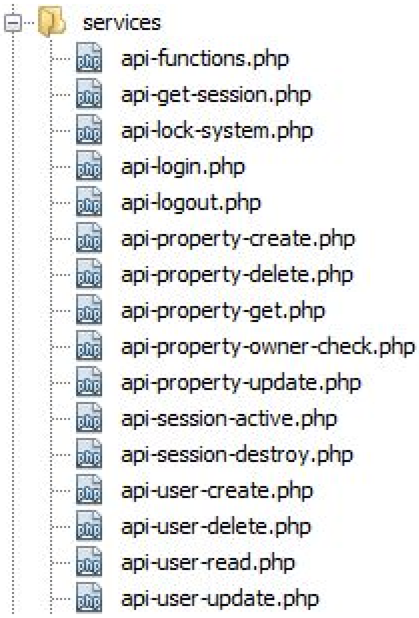
Using php sessions and jquery I was able to develop a single page app that updates user sessions on refresh.



```
<!--**************************************-->
<!--************NAVIGATION****************-->
<?php require_once "content/navigation.php"; ?>

<!--**************************************-->
<!--*************SECTIONS*****************-->
<!--**************************************-->
<!--*************REGISTER PAGE************-->
<?php require_once "content/register.php"; ?>
<!--**************************************-->
<!--*************LOGIN PAGE***************-->
<?php require_once "content/login.php"; ?>
<!--*************USERS PAGE***************-->
<?php require_once "content/users.php"; ?>
<!--*************USERS PAGE***************-->
<?php require_once "content/user-edit.php"; ?>
<!--**************************************-->
<!--**********PROPERTIES PAGE*************-->
<?php require_once "content/properties.php"; ?>
<!--**********ADD PROPERTY PAGE***********-->
<?php require_once "content/property-create.php"; ?>
<!--**************************************-->
<!--**************OVERLAY*****************-->
<?php require_once "content/overlay.php"; ?>
```

The system has an API for creating properties and users

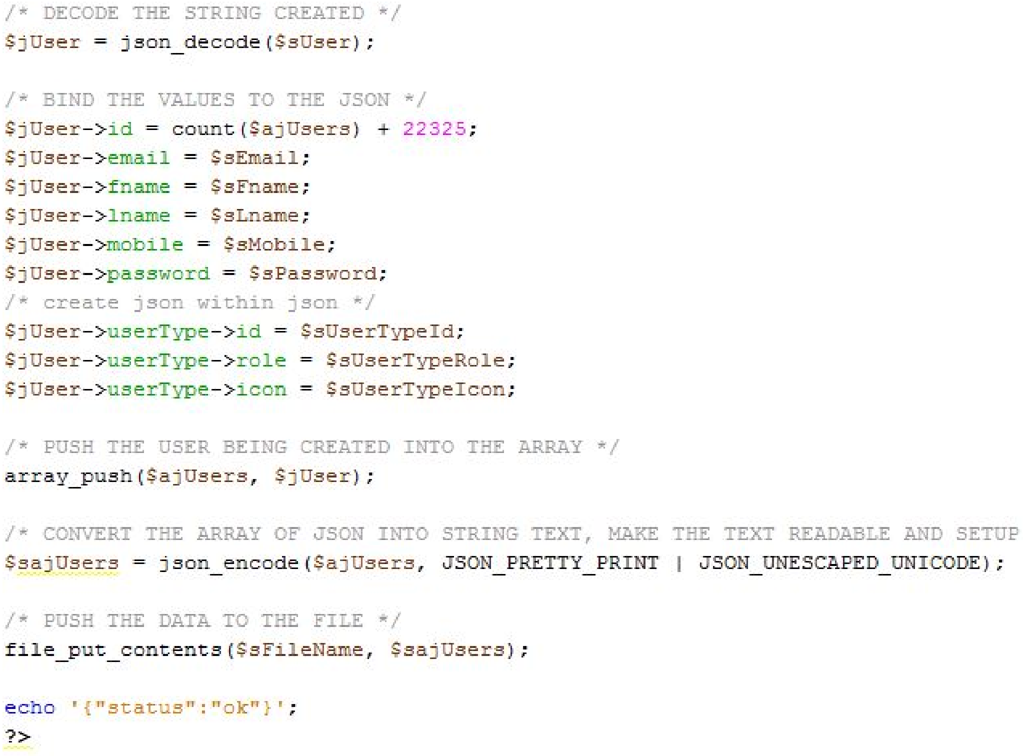
I have created an API for creating properties and users



```
services
    api-functions.php
    api-get-session.php
    api-lock-system.php
    api-login.php
    api-logout.php
    api-property-create.php
    api-property-delete.php
    api-property-get.php
    api-property-owner-check.php
    api-property-update.php
    api-session-active.php
    api-session-destroy.php
    api-user-create.php
    api-user-delete.php
    api-user-read.php
    api-user-update.php
```

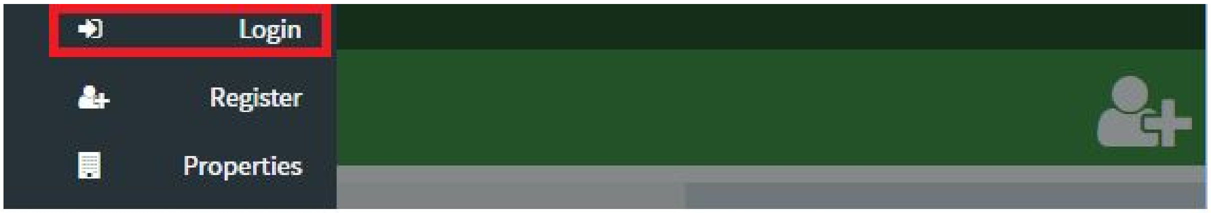
All the data for users and properties is saved to a text file

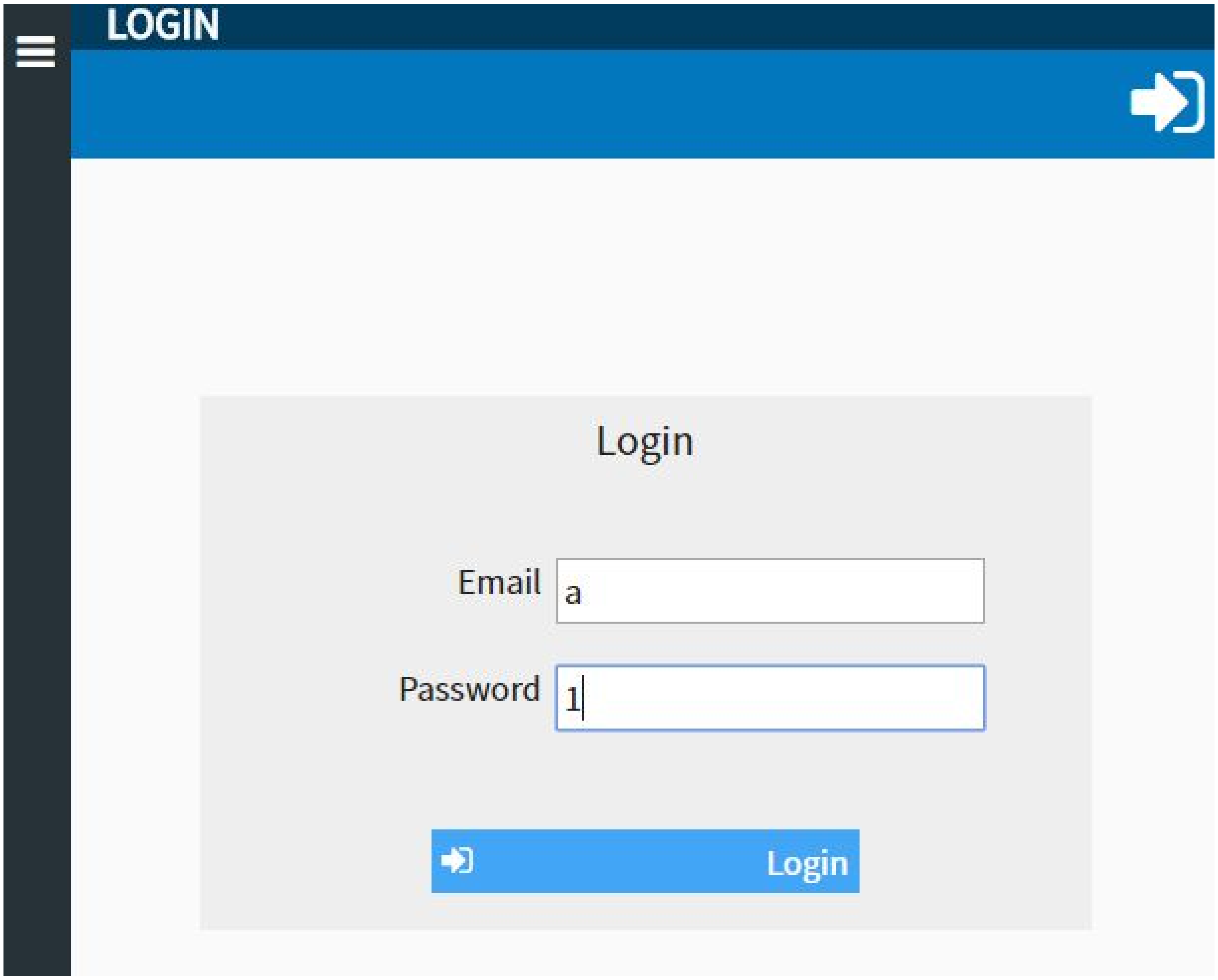
Using php I write and edit data that is an a text file



```
/* DECODE THE STRING CREATED */
$jUser = json_decode($sUser);

/* BIND THE VALUES TO THE JSON */
$jUser->id = count($ajUsers) + 22325;
$jUser->email = $sEmail;
$jUser->fname = $sFname;
$jUser->lname = $sLname;
$jUser->mobile = $sMobile;
$jUser->password = $sPassword;
/* create json within json */
$jUser->userType->id = $sUserTypeId;
$jUser->userType->role = $sUserTypeRole;
$jUser->userType->icon = $sUserTypeIcon;

/* PUSH THE USER BEING CREATED INTO THE ARRAY */
array_push($ajUsers, $jUser);

/* CONVERT THE ARRAY OF JSON INTO STRING TEXT, MAKE THE TEXT READABLE AND SETUP
$sajUsers = json_encode($ajUsers, JSON_PRETTY_PRINT | JSON_UNESCAPED_UNICODE);

/* PUSH THE DATA TO THE FILE */
file_put_contents($sFileName, $sajUsers);

echo '{"status":"ok"}';
?>
```

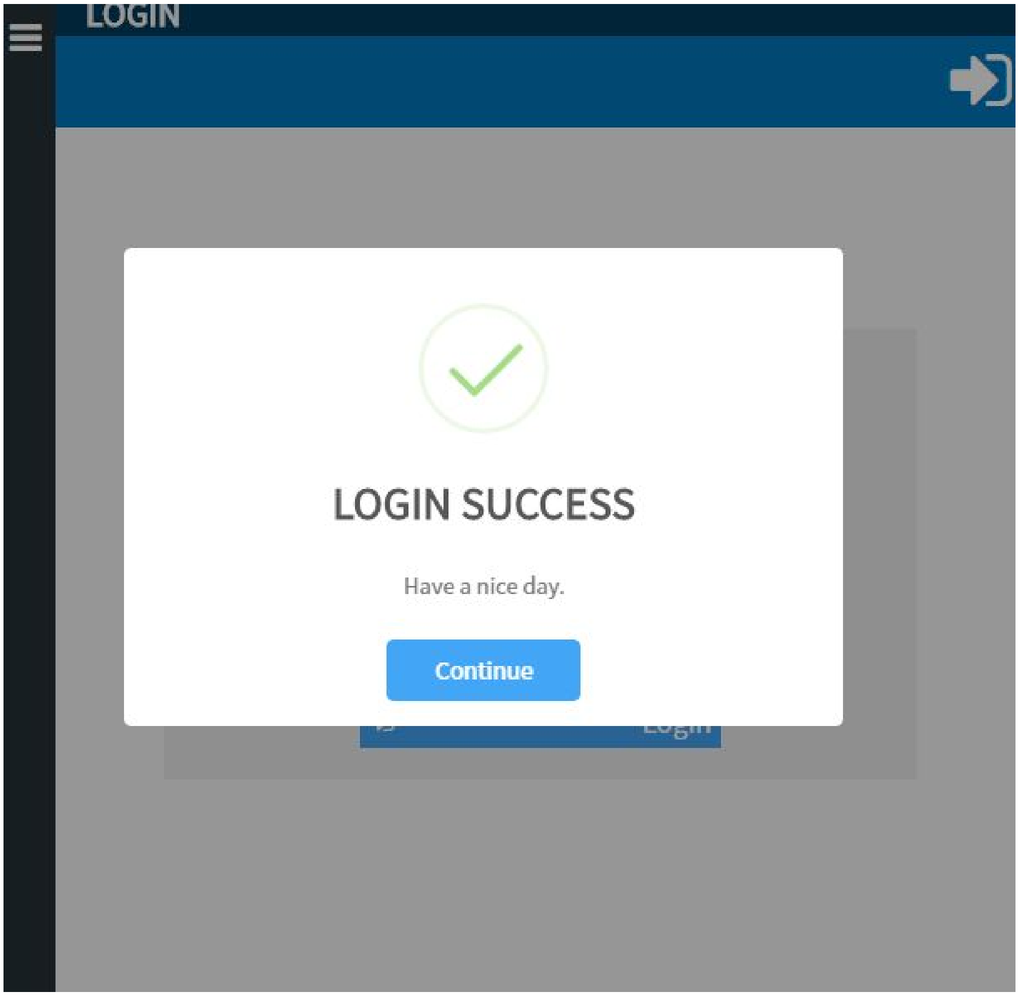
Users can login





Email a

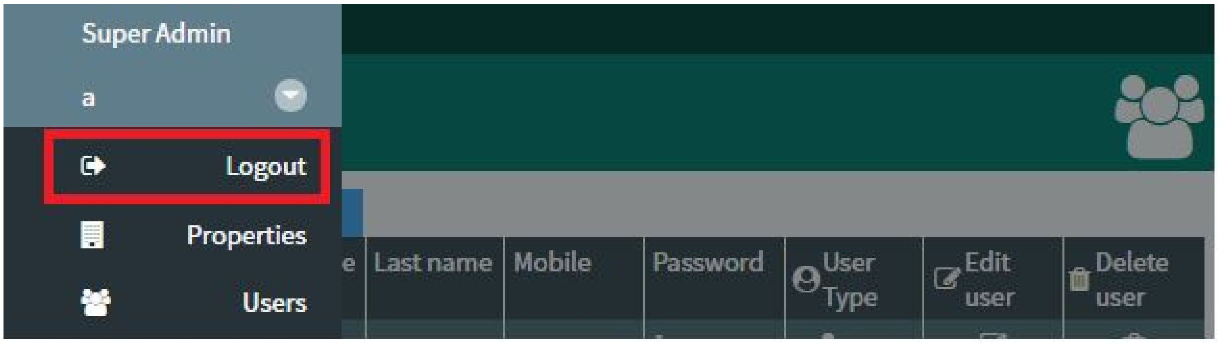
Password 1



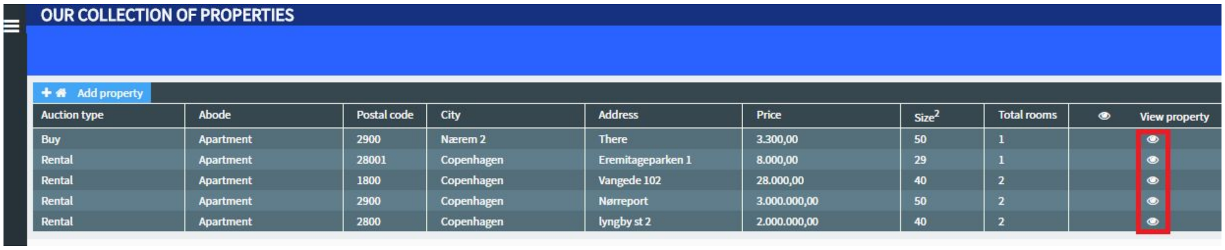
LOGIN SUCCESS

Have a nice day.

Users can logout



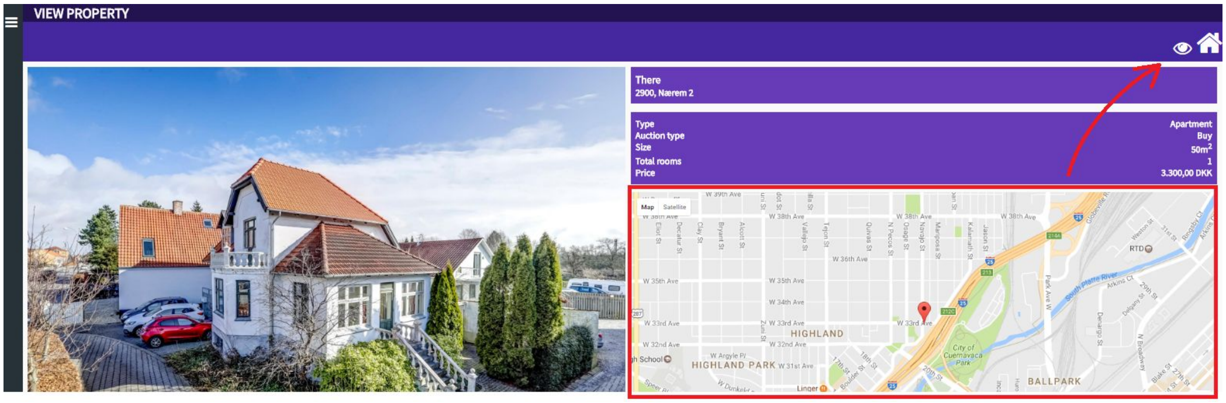
Logged users can see properties



OUR COLLECTION OF PROPERTIES

Auction type	Abode	Postal code	City	Address	Price	Size^2	Total rooms	👁	View property
Buy	Apartment	2900	Nærem 2	There	3.300,00	50	1		👁
Rental	Apartment	28001	Copenhagen	Eremitageparken 1	8.000,00	29	1		👁
Rental	Apartment	1800	Copenhagen	Vangede 102	28.000,00	40	2		👁
Rental	Apartment	2900	Copenhagen	Nørreport	3.000.000,00	50	2		👁
Rental	Apartment	2800	Copenhagen	lyngby st 2	2.000.000,00	40	2		👁

When viewing a property, google maps will load the property's location

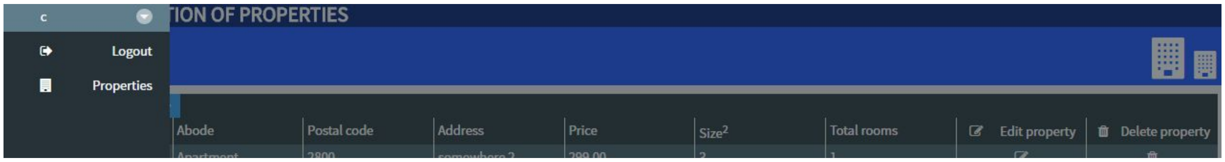


VIEW PROPERTY

There
2900, Nærem 2

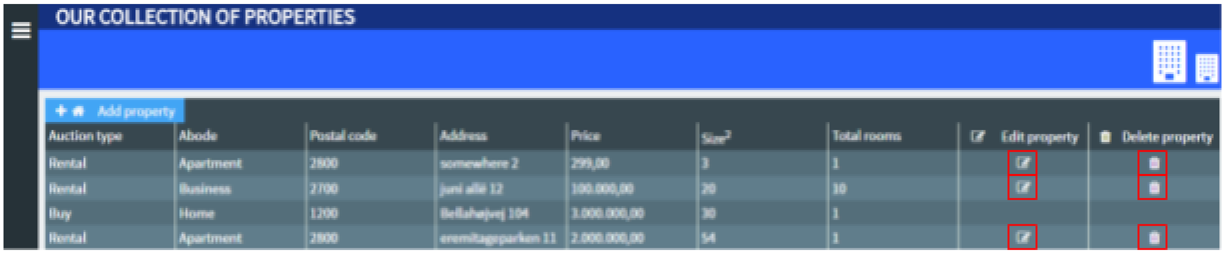
Type	Apartment
Auction type	Buy
Size	50m^2
Total rooms	1
Price	3.300,00 DKK

Logged users can also edit and delete their own properties



TION OF PROPERTIES

Abode	Postal code	Address	Price	Size^2	Total rooms	Edit property	Delete property
Apartment	2800	somewhere 2	299,00	2	1		

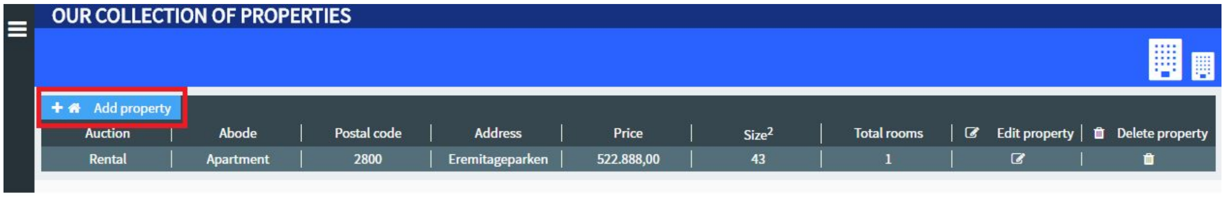


OUR COLLECTION OF PROPERTIES

+ Add property

Auction type	Abode	Postal code	Address	Price	Size^2	Total rooms	✎ Edit property	🗑 Delete property
Rental	Apartment	2800	somewhere 2	299,00	3	1	✎	🗑
Rental	Business	2700	juni allé 12	100.000,00	20	10	✎	🗑
Buy	Home	1200	Bellahøjvej 104	3.000.000,00	30	1		
Rental	Apartment	2800	eremitageparken 11	2.000.000,00	54	1	✎	🗑

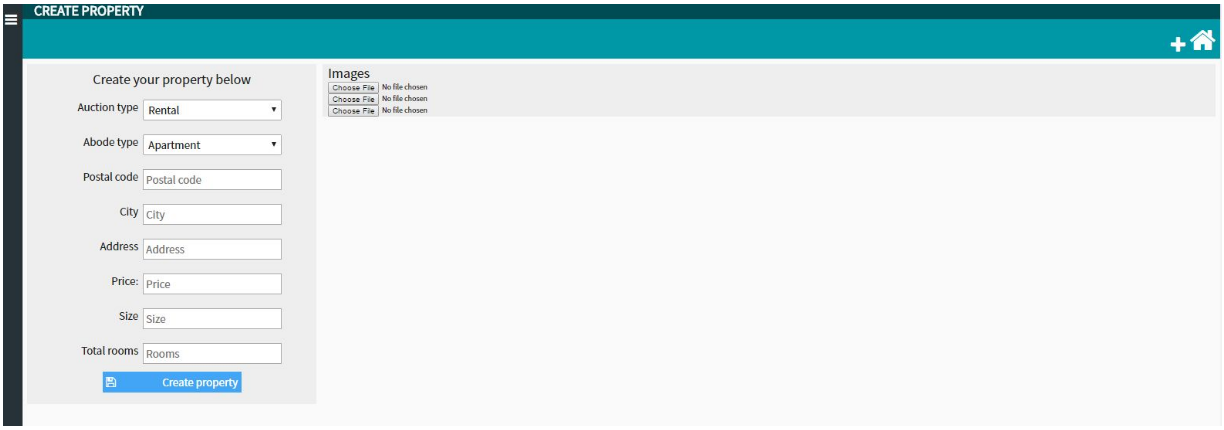
Logged users can add new properties



OUR COLLECTION OF PROPERTIES

+ Add property

Auction	Abode	Postal code	Address	Price	Size^2	Total rooms	✎ Edit property	🗑 Delete property
Rental	Apartment	2800	Eremitageparken	522.888,00	43	1	✎	🗑



CREATE PROPERTY

Create your property below

Auction type	Rental ▾
Abode type	Apartment ▾
Postal code	Postal code
City	City
Address	Address
Price:	Price
Size	Size
Total rooms	Rooms

Create property

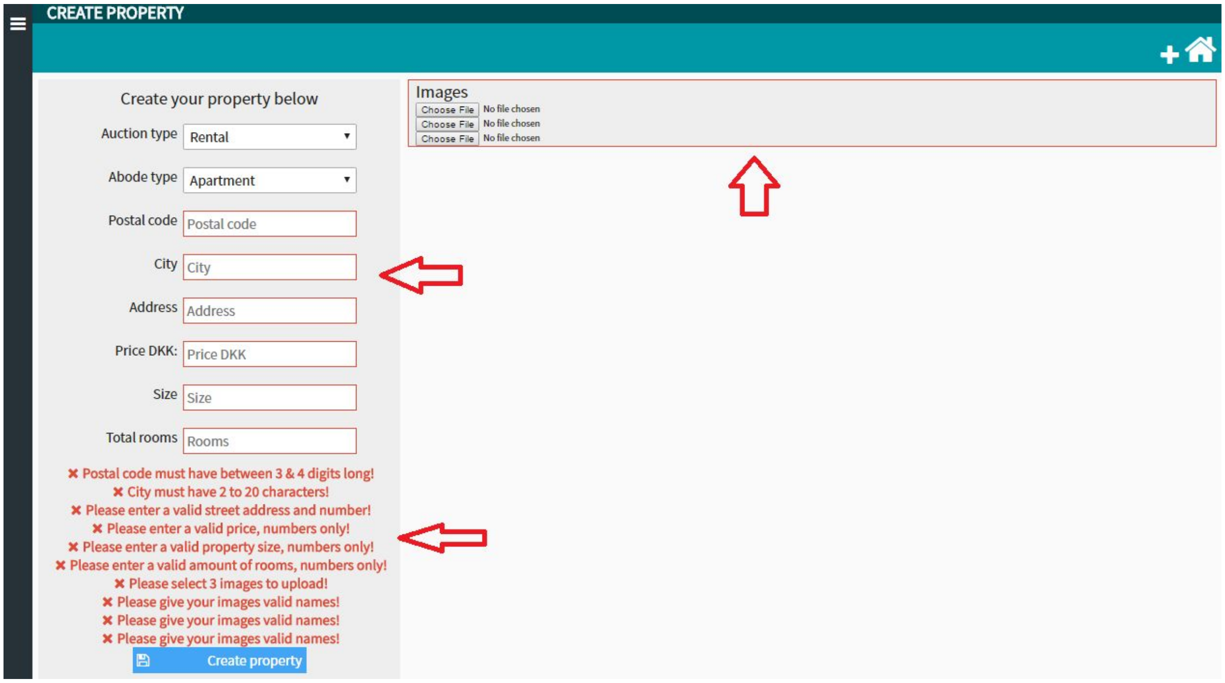
Images

Choose File No file chosen

Choose File No file chosen

Choose File No file chosen

Creating a property is validated



CREATE PROPERTY

Create your property below

Auction type: Rental

Abode type: Apartment

Postal code: Postal code

City: City

Address: Address

Price DKK: Price DKK

Size: Size

Total rooms: Rooms

Images

Choose File No file chosen

Choose File No file chosen

Choose File No file chosen

✖ Postal code must have between 3 & 4 digits long!

✖ City must have 2 to 20 characters!

✖ Please enter a valid street address and number!

✖ Please enter a valid price, numbers only!

✖ Please enter a valid property size, numbers only!

✖ Please enter a valid amount of rooms, numbers only!

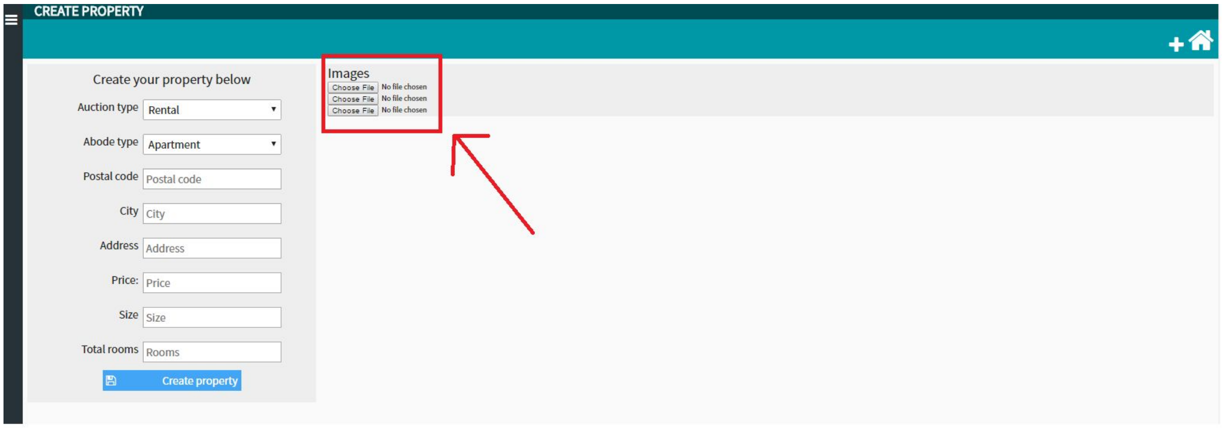
✖ Please select 3 images to upload!

✖ Please give your images valid names!

✖ Please give your images valid names!

✖ Please give your images valid names!

When creating a property, the user can upload one or multiple images



CREATE PROPERTY

Create your property below

Auction type: Rental

Abode type: Apartment

Postal code: Postal code

City: City

Address: Address

Price: Price

Size: Size

Total rooms: Rooms

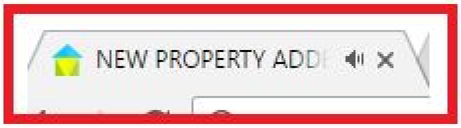
Images

Choose File No file chosen

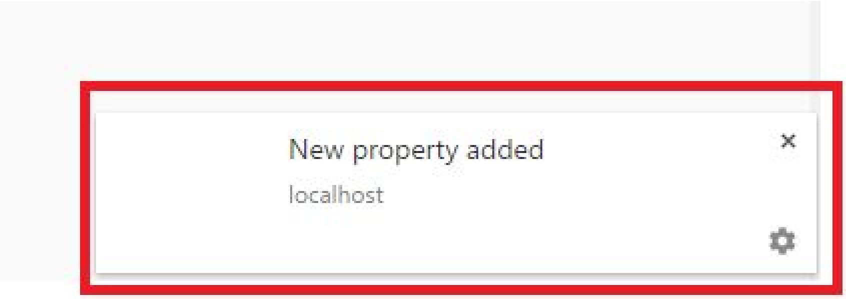
Choose File No file chosen

Choose File No file chosen

When a property is added, trigger a desktop notification along with a sound and a flashing page title



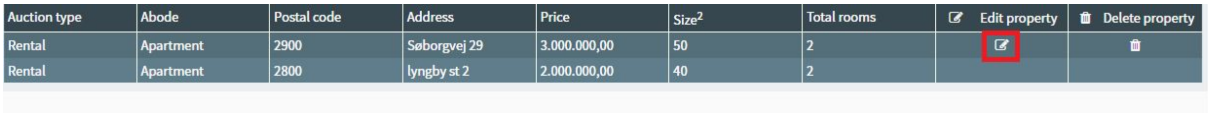
NEW PROPERTY ADD



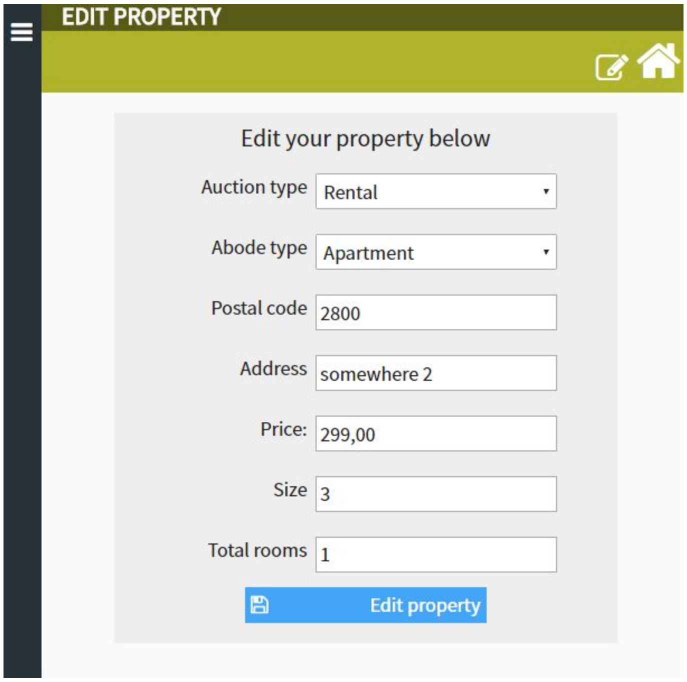
New property added

localhost

Logged users can edit their own properties



Auction type	Abode	Postal code	Address	Price	Size^2	Total rooms	Edit property	Delete property
Rental	Apartment	2900	Søborgvej 29	3.000.000,00	50	2	✎	🗑
Rental	Apartment	2800	lyngby st 2	2.000.000,00	40	2		



Edit your property below

Auction type: Rental

Abode type: Apartment

Postal code: 2800

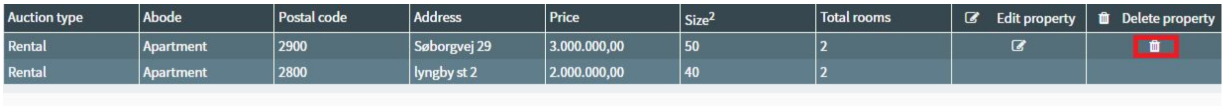
Address: somewhere 2

Price: 299,00

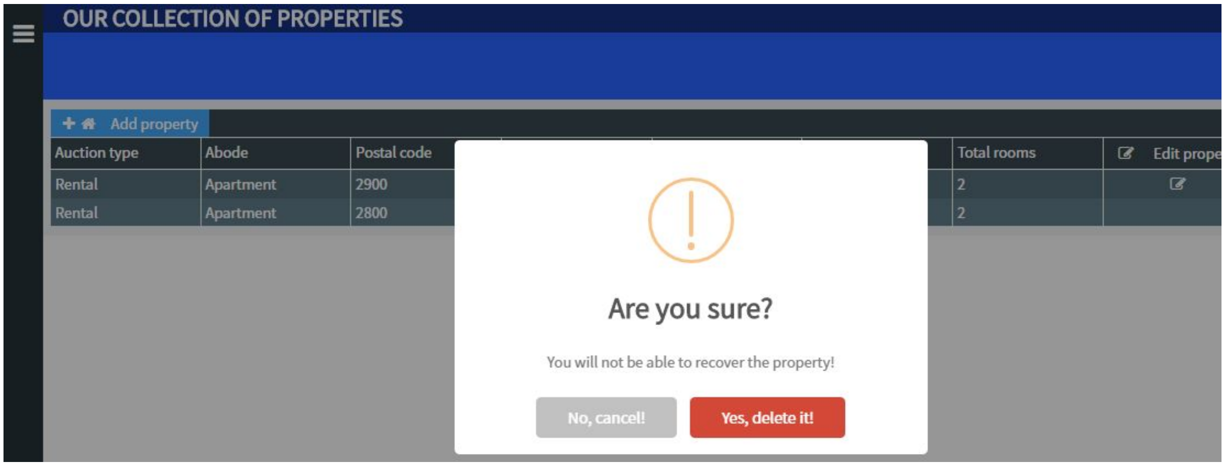
Size: 3

Total rooms: 1

Users can also delete their own properties



Auction type	Abode	Postal code	Address	Price	Size^2	Total rooms	Edit property	Delete property
Rental	Apartment	2900	Søborgvej 29	3.000.000,00	50	2	✎	🗑
Rental	Apartment	2800	lyngby st 2	2.000.000,00	40	2		



OUR COLLECTION OF PROPERTIES

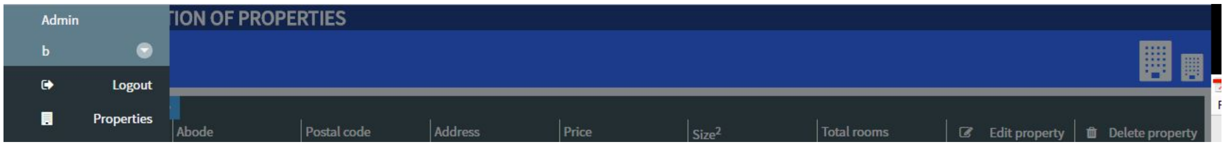
Auction type	Abode	Postal code	Total rooms	Edit prope
Rental	Apartment	2900	2	
Rental	Apartment	2800	2	

Are you sure?

You will not be able to recover the property!

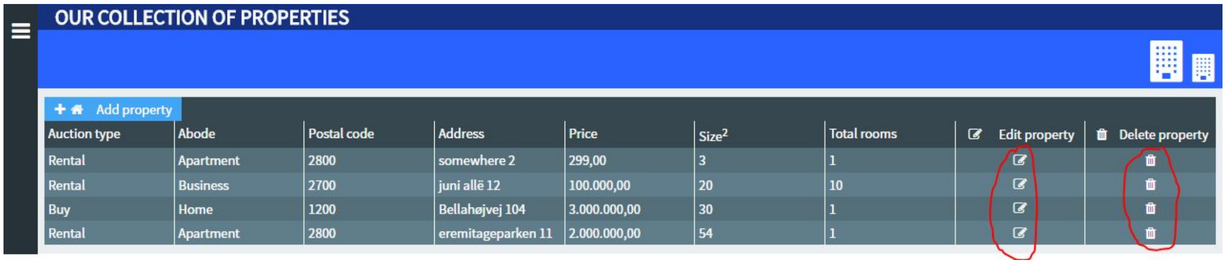
Logged administrators

Logged admins can edit and delete any properties



TION OF PROPERTIES

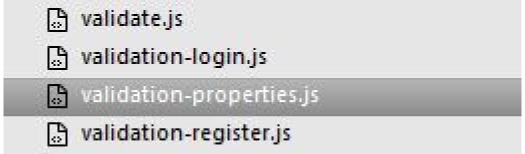
Abode	Postal code	Address	Price	Size^2	Total rooms	Edit property	Delete property



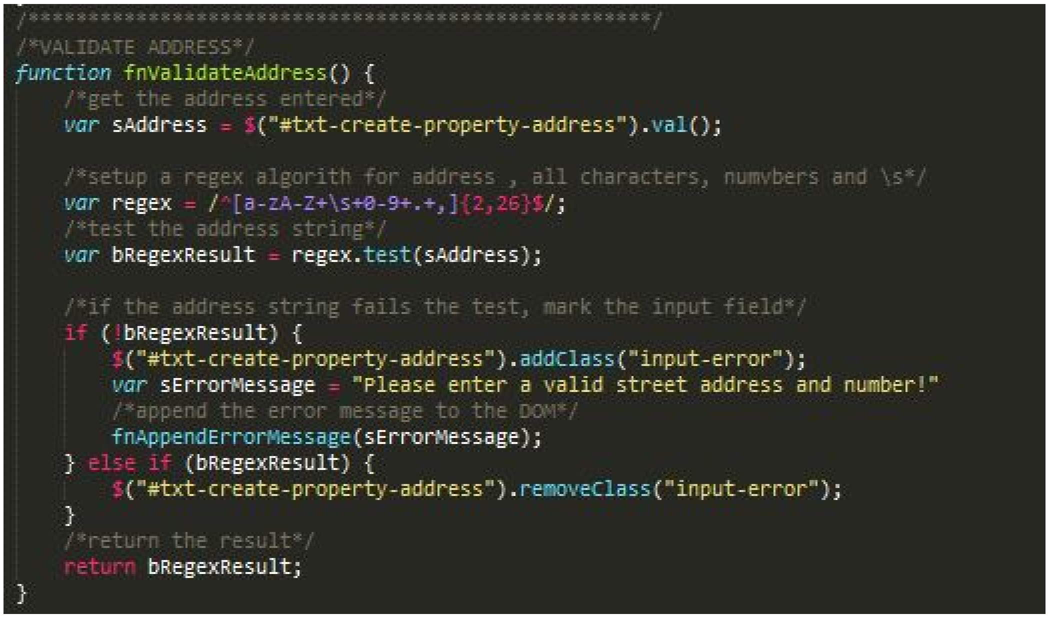
OUR COLLECTION OF PROPERTIES

Auction type	Abode	Postal code	Address	Price	Size^2	Total rooms	Edit property	Delete property
Rental	Apartment	2800	somewhere 2	299,00	3	1		
Rental	Business	2700	juni allë 12	100.000,00	20	10		
Buy	Home	1200	Bellahøjvej 104	3.000.000,00	30	1		
Rental	Apartment	2800	eremitageparken 11	2.000.000,00	54	1		

Personally coded client side validation

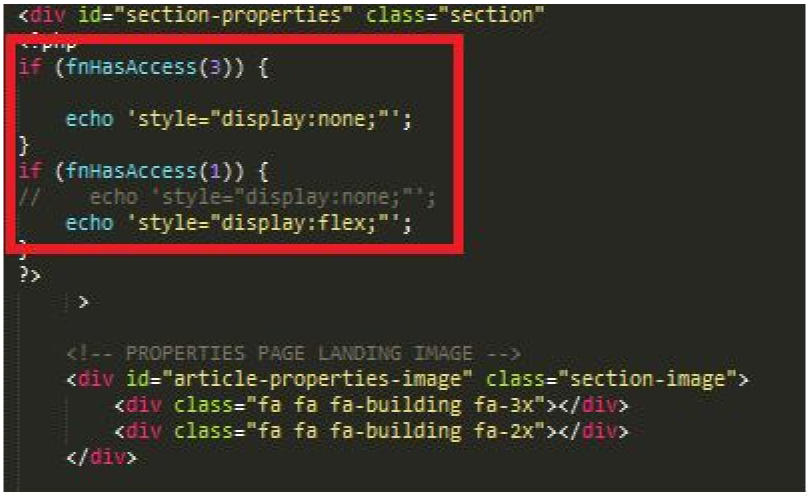


validate.js
validation-login.js
validation-properties.js
validation-register.js



```
/*****************************************************/
/*VALIDATE ADDRESS*/
function fnValidateAddress() {
    /*get the address entered*/
    var sAddress = $("#txt-create-property-address").val();

    /*setup a regex algorith for address , all characters, numvbers and \s*/
    var regex = /^[a-zA-Z+\s+0-9+.+,]{2,26}$/;
    /*test the address string*/
    var bRegexResult = regex.test(sAddress);

    /*if the address string fails the test, mark the input field*/
    if (!bRegexResult) {
        $("#txt-create-property-address").addClass("input-error");
        var sErrorMessage = "Please enter a valid street address and number!"
        /*append the error message to the DOM*/
        fnAppendErrorMessage(sErrorMessage);
    } else if (bRegexResult) {
        $("#txt-create-property-address").removeClass("input-error");
    }
    /*return the result*/
    return bRegexResult;
}
```

Use of a session



```
<div id="section-properties" class="section"
<?php
if (fnHasAccess(3)) {

    echo 'style="display:none;"';
}
if (fnHasAccess(1)) {
//    echo 'style="display:none;"';
    echo 'style="display:flex;"';
}
?>
    >

    <!-- PROPERTIES PAGE LANDING IMAGE -->
    <div id="article-properties-image" class="section-image">
        <div class="fa fa fa-building fa-3x"></div>
        <div class="fa fa fa-building fa-2x"></div>
    </div>
```