Documentation :: Team Narcodes

Technology Stack

Technology	Purpose
Laravel 5.8	Scalable Framework
NGINX/LIGHTTPD	Host Server
bCrypt with base64 keys an AES-256	Encryption
Dockers and Heroku	Scalable Platform
ORM based migrations	Independent Database
Redis	Real time caching
PWA & AMP + Wrappers	Platform independence
RestFul API + Lumen	API Platform
HTML5, CSS3, ES6/JS	UI
Google Cloud Platform	Localisation
Laravel Passport	oAuth Authentication
Webpack	To generate offline caches for PWA

Laravel is a MVC framework.
Models:

1. Listing.php - Handles 'listings' table
2. Notification.php - Handles 'notifications'
3. Order.php - Handles 'orders'
4. User.php- Handles 'users'

Views:

1. Home.blade.php - index page
2. login.blade.php - login page
3. dashboard.blade.php - Dashboard page
4. cat.blade.php - Categories page
5. edit_listing.blade.php - Edit Listings Page
6. listing_details.blade.php - Listing Details page
7. myads.blade.php - My Ads page
8. post_listing.blade.php - Post Listing Page
9. profile.blade.php - Profile Page
10. search.blade.php - Search Page

11. View_all.blade.php - view all listings
12. /Components/ - Contains various components
13. /auth/ - Contains auth views by laravel

Controllers:

1. API\UserController.php - Handles API functions
2. \Auth\ - Handles Authorisation and oAUTH
3. artisanWeb.php - Contains artisan commands to be run on web
4. DashboardController.php - Contains Dashboard interaction functions
5. HomeController.php - Contains Index interaction
6. ListingController.php - Contains Listing interaction methods.
7. NotificationController.php - Handles Notifications.
8. OrderController.php - Handles Orders and Enquires
9. ProfileController.php - Handles Profile views and functions

Helpers (Custom, via psr-4 autoloading):

1. Categories.helper.php - To handle custom categories and switches
2. gravatar.helper.php - To fetch gravatar emails.
3. translate.helper.php - To Generate Locales for Localisation
4. helper.php - PSR-4 Autoloading

Routes:
API-

```
Route::post('login', 'API\UserController@login');

Route::post('register', 'API\UserController@register');

Route::any('/', function () {

    return 'Agrosearch API';

});

Route::group(['middleware' => 'auth:api'], function(){

    // Get Details of current user

    Route::post('details', 'API\UserController@details');

    // Get Listings posted by current user

    Route::post('get_listings', 'ListingController@get_listings');

    // Get Listings posted by everyone

    Route::post('get_all_listings', 'ListingController@get_all_listings');

    // Add Listing

    Route::post('upload_listing', 'ListingController@upload_listing');

    // Get Orders list of an user

    Route::post('order_list', 'OrderController@order_list');

    // Get Order Details
```

```
    Route::post('order_details', 'OrderController@order_details');

    // Place Order

    Route::post('place_order', 'OrderController@place_order');

});
```

Web-

```
Auth::routes();
// Listing and frontpage
Route::get('/', 'HomeController@index')->name('home');
Route::get('/listing/{id}', 'ListingController@web_details')-
>name('listing_detail');
// View all listings
Route::get('/view/
featured','ListingController@view_all_featured')-
>name('view_all_featured');
Route::get('/view/latest','ListingController@view_all_latest')-
>name('view_all_latest');
// for Searches
Route::get('/search','ListingController@search');
Route::get('/category/{id}','ListingController@cat_search');
Route::get('/locale/{lang}','HomeController@set_locale');
// For Listing Images
Route::get('storage/{filename}', function ($filename)
{
    $path = storage_path('public/' . $filename);
    if (!File::exists($path)) {
        abort(404);
    }
    $file = File::get($path);
    $type = File::mimeType($path);
    $response = Response::make($file, 200);
    $response->header("Content-Type", $type);
    return $response;
});
//Development only routes
Route::get('artisan/clear-cache', 'artisanWeb@clearCache')-
>name('clear-cache');
```

```php
Route::get('artisan/migrate', 'artisanWeb@migrate')-
>name('migrate');
Route::get('artisan/passport', 'artisanWeb@passport')-
>name('passport');
Route::group(['middleware' => ['auth']], function () {
    Route::get('/dashboard', 'DashboardController@index')-
>name('dashboard');
    Route::get('/post-
listing','DashboardController@post_listing')-
>name('post_listing');
    Route::post('/post-listing','ListingController@add_listing');
    Route::get('/get-views/{id}',
'ListingController@get_views'); // Ajax route
    Route::get('/profile','ProfileController@show')-
>name('profile');
    Route::post('/profile','ProfileController@update');
    Route::get('/myads', 'ListingController@show_my_ads')-
>name('myads');
    Route::get('/edit/{id}',
'ListingController@edit_listing_show');
    Route::post('/edit/{id}', 'ListingController@edit_listing');
    Route::get('/delete/{id}',
'ListingController@delete_listing');
});
```