**Web Application:**

**Login Screen:**

Admin will log in with his username and password to manage the Web Application admin section.

**Category Management:**

· Admin can add new categories or sub-categories of the products that are trading through the application.

· Admin can manage (edit or delete) the categories of products that are trading through the application.

**Lead Generation:**

THERE WILL BE A RECORD OF ALL DATA COLLECTED. The data will be collected from the Seller and Buyer Registration.

Data will show in the Grid listing.

There would be a view button so that the admin can select any specific user. Lead generation data can be downloaded in various forms, example Excel spreadsheet. The attributes that would be shown to the admin would be:

o User ID /**Password**

o Name

o Email

o Phone Number

o Status

o City

o State

o Country

o Zip Code

o Date on which the user added to the system

**Seller Item, purchase price, offers Received.**

**Buyer contact information, prequalified purchase price and any other data they imputed at time of registration.**

**Ads Management:**

Admin can add a new ad, the ad will contain some description and images, which will show to the buyer **and seller** when the Admin enables the showing status of the ad from edit ad.

Admin can Add, edit, delete the ad, and disable showing the ad to the buyers.

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**Change Password:**

Admin can change his password by providing the old password.

**Mobile Applications:**

**Seller:**

**Splash Screen:**

This screen will display the logo and name of the app for 3-4 seconds.

**Login Screen:**

This screen will have the following controls.

**Email:** Registered email address used while signup.

**Password:** Registered password used while signup.

**Login Button:** The user can log in by pressing this button.

**Forgot Password:** Redirect to forgot password screen.

**Register:** Redirect to the registration screen.

**Registration Screen:**

The user will fill out a registration form. Successful registration will lead the user to the app by automatically logging him into the application.

**Mandatory Fields:** These fields will be required and have red stars (\*) beside them. This will also have the validations, for instance, email and password validations.

**Optional Fields:** This will be optional and may be filled out later on using the *Edit Profile Screen*.

**Forgot Password Screen:**

The user could recover his password only if the system detects that he has a valid email address and his account is currently active.

This will be two sections with the following controls:

**Section One:**

**Email:** Enter the valid registered email id.

**Next Button:** Hit the next button to receive a code at the registered Phone Text or email using .*two-factor* ***authentication*** *(2FA)*

And redirect the user to *Section Two.* **Section Two:**

**New Password:** Enter a new strong password with special characters.

**Re-Type Password:** Re-Type the same password.

**Reset Button:** Hit the reset buttons to recover it.

**Landing Screen:**

This is the next screen after successful login. This will have the following controls:

**1.** **Home Button:** Navigate to the Home Screen.

**2.** **Profile Button:** Navigate to the View Profile Screen.

**3.** **More Button:** Navigate to the More Screen.

**4.** **Notifications Button:** Navigate to the Notification Screen.

**5.** **Logout Button:** Will log out and redirect the *Login Screen*.

1. **Home Button:**

This will by default list all the properties priorly added by the user, with controls:

**List Of Properties:** Listing with small description of properties.

**Switch (Opened/Closed):** This will act as a filter, to filter the open/closed properties.

**Detail Button:** Pressing the detail icon, detail view of the item will be displayed.

**Add New:** Navigate to the *Add New Property Screen.*

**Edit Property:** Navigate to the Edit Property Screen.

**2. Profile Screen:**

The user will be able to view his complete profile with a provision to update a few of the information as finalized with Max.

**3. More Screen:**

**FAQs Button:** Navigate to a new screen having faqs listed.

**About Us Button:** Navigate to the About Us Screen.

**Contact Us Button:** Navigate to the Contact Us Screen. The administrator will get the email

**Logout**: It will log out the user.

**4. Notification Screen:**

**Notifications Listing:** All the notifications are unread. All notifications are found here Read and Unread.

**View Button:** There will be a view button beside each notification and if this notification is for approval of show request, clicking on that, the user will be redirected to the pending approval screen.

**Delete Icon:** There will be a delete icon beside each notification to mark as read/delete.

**Approval Screen:**

**Listing:** This will be the listing for all the requests pending for approval/Accept about the view property.

**Reject Button:** Clicking on that, the request will be rejected and the buyer will be notified.

**Accept Button:** Clicking on that a new popup modal screen will be displayed for the Request *View* popup screen with a time interval like from and to date.

**Request View Screen:** Viewed on a Calendar

**-----From Time:** Auto selected the buyers chosen from date and time with provision to update.

**-----To Time:** Auto selected the buyers chosen to date and time with provision to update.

**-----Accept Request Button:** Send request for approval to the seller. It will go back and forth between seller and buyer until there's an agreement of the time and date.

**Add New Property:**

Users can add a property after passing several checks like address verification through google maps. The address will need to be verified to make sure its a valid address.

**Mandatory Fields:** These fields will be required have red stars (\*) beside them. This will also have the validations for instance, address verification. Fields will be added here.

**Optional Fields:** These will be optional and may be filled out later on using the *Edit Profile Screen*.

Seller will see a form with fields:

Home type (Single family, Condo, Mobile Home) **ADMIN WILL BE ABLE TO ADD MORE.**

· Address1 (App will verify if the address exists or not (using Google Map or another site. If there is an error on the address then the app will return to the address bar to enter the correct address.)

· Address2

· City

· State

· Zip

· List price

· property description (Should include the following:

o Home type (Single family, Condo, Mobile Home)

o No. of Bedrooms

o No. of Baths

o Living area square feet

o Waterfront

o Garage

o Pool

o description of property

· pictures (up to 10)

These fields of the form will be the ones that the buyer will create as a search criterion on his side of the app and search on the geo location map.

After successful creation of a property, the property would be added in the listing of the item added by that seller.

On selecting any property from the list, sellers will be navigated to the **property detail screen.**

**Property Detail Screen:**

This will be a detail page with all the details added by the user while adding the property with the following controls:

**Edit Button:** Navigate to the edit property screen where few(ALL) of the details will be editable. Discuss with Max.

**Switch Button:** Similar to the radio button, it will be set closed in the first place. Users can toggle it to show/close for showing. On toggling it to show, there will be a popup screen with time intervals like from and to date.

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**BUYER’S MOBILE APPLICATION:** Very similar to the seller

**Splash Screen:**

This screen will display the logo and name of the app for 3-4 seconds. Also, it will contain Ads if enabled by Admin.

Clicking on Ad will show the Ad images and description only.

**Login Screen:**

This screen will have the following controls.

**Email:** Registered email address used while signup.

**Password:** Registered password used while signup.

**Login Button:** Users can login by pressing this button.

**Forgot Password:** Redirect to forgot password screen.

**Register:** Redirect to the registration screen.

**Registration Screen:**

Users will fill out a registration form. Successful registration will lead the user to the app with automatically logging him into the application.

**Mandatory Fields:** This fields will be required have red stars (\*) beside them. This will also have the validations for instance, email and password validations. two-factor **authentication** (2FA)

**Optional Fields:** This will be optional and may be filled out later on using the *Edit Profile Screen*.

**Forgot Password Screen:**

The user could recover his password only if the system detects that he has a valid email address and his account is currently active.

There will be two sections with the following controls:

**Section One:**

**Email:** Enter the valid registered email id.

**Next Button:** Hit the next button to receive a code at the registered email. And redirect the user to

**Section Two:**

**New Password:** Enter a new strong password with special characters.

**Re-Type Password:** Re-Type the same password.

**Reset Button:** Hit the reset buttons to recover it.

**Landing Screen:**

This is the next screen after successful login. This will have the following controls:

1. **Home Button:** Navigate to the Home Screen.
2. **Profile Button:** Navigate to the View Profile Screen.
3. **More Button:** Navigate to the More Screen.
4. **Notifications Button:** Navigate to the Settings Screen.
5. **Logout Button:** Will logout and redirect the *Login Screen*.

**1.Home Button:**

This screen will have the following controls:

**Filter/Search Property Button:** On clicking a popup modal will be displayed with a bunch of filters used during the registration process, like zip code, number of rooms, and mentioned by Max. This popup modal will also have a button **Apply Filters.** Clicking on that app will load the list of properties based on the filters.

**Switch Button (Listing/Map):** Its function will be to switch between list mode and map mode. The filtered properties would either be listed or drawn on the map based on the switch.

**Listing View:** This will be the textual listing of properties with some basic info and up to maximum of 3 columns, like the title, zip code mentioned by Max. This will also have a detail arrow icon, clicking on the icon, a new screen will be displayed with the property's info (mentioned by Max).

**Detail View:** This will display the detail of the property as mentioned by the seller, except for the exact pin location. This will have a button *Request View* clicking it, a new popup modal will be displayed where the buyer can send the request to view the property.

**Request View Screen:** This will be displayed when the user clicks on the request view property. This will have the following controls:

-----**From Time:** Date and time picker for the starting time.

-----**To Time:** Date and time picker for the ending time.

-----**Send Request Button:** Send request for approval to the seller.

**Map View:** This will be the visual representation drawn on map based on the filtered results. This cannot be the exact location of the property.

**2. Profile Screen:**

Users will be able to view his complete profile with a provision to update a few of the information as finalized with Max.

**3. More Screen:**

**FAQs Button:** Navigate to a new screen having faqs listed.

**About Us Button:** Navigate to the About Us Screen.

**Contact Us Button:** Navigate to the Contact Us Screen. Contact Administrator

**5. Notification Screen:**

**Notifications Listing:** All the notifications Read and un-read.

**Delete Icon:** There will be a delete icon beside each notification to mark as read/delete.

**Calendar Screen:**

All the requests that are in progress or have been approved will be shown on the event calendar in the mobile.

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# **Technical Specifications:**

**Mobile Development App:**  React Native & SQL Server Database

**Rest Full API & Web Admin Panel:** Python, ReactJS & SQL Server Database

**Deployment (For Testing Now):** GoDaddy VPS

# **Estimated TimeLine: 1st Phase (3 Months)**

· We will deliver this project in 3 months as per the above requirements.

· If we receive any delay from the client, maybe the timeline can be affected.

# **Transaction Module: 2nd Phase (3 Months)**

Will deliver in the next **3 months** after we talk about it in detail.