Client Documentation for Latium Marketplace

Table of Contents:
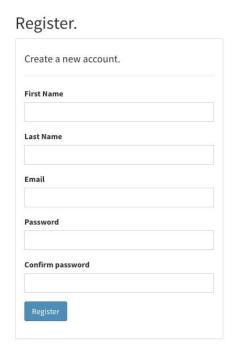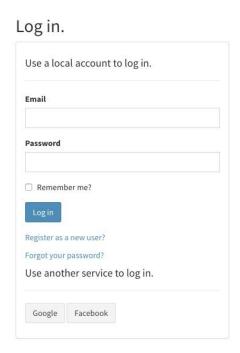
Brief overview of Latium Marketplace

Latium Marketplace is an application that was built for Latium Fleet Management. Latium Marketplace is designed for individuals and companies to buy, sell and rent commercial machinery products. This was designed for the purpose of maximizing the use of all resources that would otherwise be sitting idle.
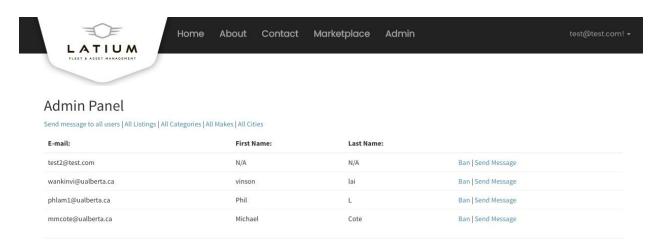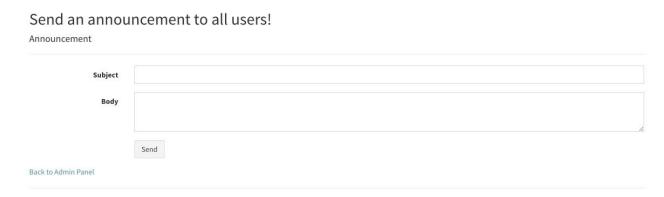
User Manual

Registration / Logging In

Create an account using a valid email. Or register through Gmail or Facebook and that email will be linked to your Latium account, so that you can continue to to login via Gmail or Facebook. Once you are logged in there is a button at the top right corner that you can use to log out.

Administrator Account

The administrator account can be accessed via two mock emails: test@test.com, test2@test.com, both having the same password: abc123ABC123&. This can be changed inside the source code when you see fit.

Send messages to all users

The administrator can send out announcements to users by clicking on the "Send message to all user" button. When they enter a subject and body, users will be notified of this message.

All Listings

Administrators have access to all the listings. If they suspect that a listing does not comply with the marketplace policies they can remove the listing. They also have to ability to make certain listings featured on the main page of the website. In order to search for specific listings, they have various options on the left side panel, such as searching by asset or request, by city, or with accessories

All Categories

Categories

CategoryId	CategoryName	ParentCategory
1	Car	
2	Truck	
3	Bus	
4	Other	
5	Coupe	Car
6	Seadan	Car
7	16-Passenger	Truck

New Category

Parent Cateogry ID

Add

Administrators can create new categories and subcategories.
Step 1: Insert the name of the category
Step 2: If it is a subcategory, insert the id of the parent category
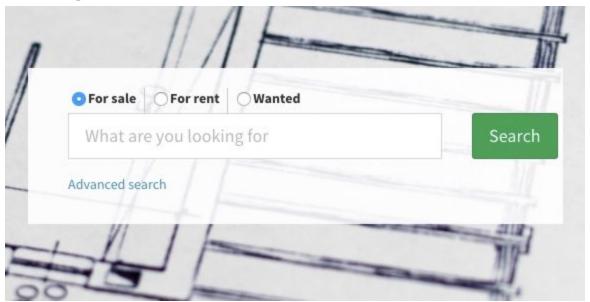Step 3: Click the add button, and your category will appear for users to see.

All Make
Much like adding categories, to add a make/model, you can enter the name of the make, then click submit. The make will then appear for users to see and use.

All Cities
As described above, to insert a city into the database, you can enter the name of the city, then click submit and that city will appear.

Searching

Main Page

The main page search is a "Google" type search.
Step 1: Simply click on one of the options, "sale, rent, or wanted"
Step 2: Then type in the name of the item you are looking for
Step 3: Click search and you will be redirected to a new page containing listings related to your search

If you wish to have a more advanced search with specific listings, containing specific features or accessory, click on advanced search and it will redirect you to the main marketplace will search filters.

Advanced Search

In the advanced search, you can search for listings with a keyword and you can choose to filter for assets or requests. In addition you can add filters such as search by location, most recently added and with accessories. You can aso filter by categories, subcategories and make.

Adding

To add an item go to the main marketplace page and click on either "create an asset" or "create a request"

Create an Asset

Step 1: Select either for rent or for sale
Step 2: Insert a name, make, category, city and a sale price, you can also upload a picture of the asset.
Step 3: If there are any features you want to display, you can add those as well
Step 4: If your asset has any accessories, you can add them by clicking "yes" then insert the name and the price of each acessories, you may add multiple by clicking the "+" button.
Step 5: Click submit and your asset will be added to the marketplace.

Create a Request

Step 1: Insert the name, the period of duration you need it for, the make if you are looking for a specific model, the category, and the city. If you want an accessory such as an operator you can include that as well.
Step 2: Click submit and it will be added to the marketplace.

Bidding

To place a bid on an item you must be logged in.

If it is for sale:
- Step 1: If there are any accessories attached to the asset you can select any or none
- Step 2: Then you can click on the button submit

If it is for rent:
- Step 1: Select a start date, and end date
- Step 2: Click submit and the price will be adjusted for the length of the rental period

If it is a request:
- Step 1: Insert a bid price and a description
- Step 2: Insert a start and end date
- Step 3: Click Submit

Once a bid is placed the creator of the post will be notified. To view all the offers your listings received, you can click on the button My Offers. There you can view all your assets and the bids placed on them. For each asset you can select a single winning bid, at which point a transaction is made and the item is taken off the market if it is for sale, and if it is for rent then starting date will change.

Messaging

Messaging is directly associated with a listing, and you can only message another user if you are logged in. To message a user about a specific listing:

Step 1: View the details of a listing

Step 2: Click on "send message"

Step 3: Insert a subject and body

Step 4: Click submit and the user will be notified of a message.

After the initial message is sent, you can continue to have a conversation through the "My Messages" tab
Step 1: Select "My Messages"
Step 2: Select the conversation, based on the asset
Step 3: There you can view all the previous messages sent, and select "respond" if you wish to send another message

Developer Manual

Deploying your web application
1. Pre-requisites:
    1.1. A server running a latest version of Windows Server.
    1.2. A server running a latest version of Windows SQL Server.
    1.3. A FTP Server Installed on your Windows Server like FileZilla Server, in case you don't want to use the FTP Server Feature in your Windows Server.
    1.4. A FTP client like FileZilla Client installed on your client computer.
    1.5. Microsoft Visual Studio installed on your client computer for editing your project files.
2. Configuring your hosting environment
    2.1. Setting up IIS
        2.1.1. Install IIS
            2.1.1.1. Navigate to your Windows Server Features
            2.1.1.2. Enable Internet Information Services (IIS) and make sure that IIS Management Console is checked
            2.1.1.3. Click OK
        2.1.2. Install the .NET Core hosting bundle by downloading it from this Microsoft link: https://go.microsoft.com/fwlink/?linkid=844461
        2.1.3. Restart your computer
        2.1.4. After restarting you, open the IIS Manager

2.1.5.   Create a website for your application by right-clicking on *Sites*, then *Add Website*. Enter the site name and the physical address where your site files will live on your the hard drive. Then select the hostname for your website.

2.1.6.   Click *OK* to create the website and the *Application Pools* that comes along with it.

2.1.7.   Find *Applications Pools* and click on it. You should see the name of the website you just created.

2.1.8.   Right click on the Application Pool of your website to edit it, and select *Basic Settings*.

2.1.9.   Under *.NET CLR* version select *No Managed Code*, then click *OK*

2.1.10. Check that everything is running correctly by to your website under *Sites*, then under *Browse Website*, click *Browse*. You might see an error page if there is no files under the directory that initially created.

2.1.11. Create a Data Protection Registry Hive by downloading this file https://github.com/aspnet/DataProtection/blob/dev/Provision-AutoGenKeys.ps1. Save the file somewhere on your computer. On the *Save As* dialog, make sure that you put double quotes around your filename to keep the *ps1* file extension. Then click *Save.*

2.1.12. Run PowerShell as an administrator.

2.1.13. Navigate to where you saved the recently downloaded file.

2.1.14. Run this command: powershell -ExecutionPolicy RemoteSigned.

2.1.15. Type .\ followed by the name of the file you just downloaded, then pass it the name of the website you created earlier.

2.1.16. Click Enter.

3. Adding a database to Windows SQL Server

   3.1.   In your SQL Server Manager, create a new database for your website with all the proper credential

   3.2.   Create a user that will be used to access your database by giving them access to the newly created database

4. Adding IIS integration to your project

4.1. In Visual Studio, open your project, right click on your project name under *src*, go to *NuGet Package Manager*. Under *Installed*, check that *Microsoft.AspNetCore.Server.IISIntegration* is installed. If not search and install it.

5. Changing database connection strings

5.1. In Visual Studio, open your project, and find *appsettings.json* under *src/YourProjectName*.

5.2. Find *DefaultConnection* under *ConnectionStrings* to change the strings to point to your database.

6. Publishing your application with Visual Studio

6.1. Right click on your project, choose *Publish.*

6.2. Create a profile by selecting *Custom.*

6.3. Give your profile a name. Click *Next.*

6.4. Select Publish method *File System*. Choose a target local to save the binary files. The click *Publish*.

6.5. After the publication is successful, go to the folder containing your newly published files.

6.6. Use your FTP client to upload your published files to your website folder in your web server.

6.7. After the uploading is done, your website should be up and running.

For more help, please refer to the Microsoft Document at
https://docs.microsoft.com/en-us/aspnet/core/publishing/