

ISHIR develops fleet management platform for a leading fleet solutions provider

Client

The client is the fastest growing provider of fleet maintenance solutions. The client provides emergency roadside assistance, towing and accident management and the scheduled and preventive maintenance of fleets.

Challenges

The “Fleet Assist” is a complete backend system for the client’s customers as well as for their admins. In this system, the client required to create a systematic panel where their customers (including customers, sub customers/regional managers, division managers and location managers) could manage their assets. They wanted to view the stats of their assets on the dashboard itself. Additionally, they wished to view the due dates of the various inspections of their assets and set the mileage of their assets (to manage and track the inspections of the assets).

The client’s admins could have the additional access within the system to –

- Search assets of any customer, region, division or of the location
- Search the work orders
- Search the customers
- Import the data like asset import, driver import, vendor import etc.
- Assign the Fleet Managers and Admin Assistants
- Manage the master inspections data
- Access the Event Planner
- Generate the various reports
- Manage the Cron Jobs
- Manage the email templates

Solution

Following the requirements of the application, ISHIR developed the “Fleet Assist” application with all the required functionalities for the client’s customers and their admins.

The team used the Angular JS as the front-end technology and the SLIM Framework of PHP as the back-end technology for the development of APIs.

Some of the key features of the application:

- **Dashboard with the stats**

The team developed the dashboard which have the complete stats of Fleet Management.

All Time is Displayed in Eastern Time

Company: Sunbelt Rentals | Regions: Select Region | Divisions: Select Division | Locations: Select Location | View Dashboard | Reset

Fleet Management

- 8548** All Active Assets
- 0594** Managed Assets
- 0042** Other
- 0228** LD (Class 1-3)
- 0216** HD (Class 7-8)
- 0108** MD (Class 4-6)

Fleet Status

- 8488** Available
- 007** Units Under Repair (Operational)
- 053** Units Under Repair (NonOperational)

Event by Service Type

- 008** Major Shop Repair
- 006** Mobile Repair
- 050** Scheduled Maintenance

Event by Status

- 001** Dispatching
- 007** Dispatched
- 038** Diagnosis in Process
- 013** Repair Under Way
- 001** Appointment

Scheduled Maintenance

Primary Inspections Secondary Inspections

- 000** Status Error
- 077** Scheduled
- 000** Proposed Plans (Pending Vendor Confirm)
- 032** PMs Due In Window & Needs Plans
- 217** PMs Overdue & Needs Plans
- 300** Overdue & InWindow & Secondary PMs-Needs Plans

- **Event Planner**

From the Event Planner, service providers can be assigned for the various inspection services.

Manage Maintenance Due **Active Events** Future Repair Management **Proposed Plans**

Company: Sunbelt Rentals | Regions: Select Regions | Divisions: Select Divisions | Locations: 0231 PASADENA PC231 | View Maintenance Plans

EASY BUTTONS 1. Select Assigned Providers 2. Select Plan >>>

Company Name	Address
<input type="radio"/> TTN Fleet Group	Grapevine, Texas
<input type="radio"/> Rocha Diesel Service	911 West Jackson Ave, Pasadena, Texas
<input type="radio"/> Tony TNT Locksmith	1712 Shaver St, Pasadena, Texas
<input type="radio"/> TCI tire center	3130 E. Pasadena Freeway, Pasadena, Texas
<input type="radio"/> Stewart Tire & Auto Center	1911 Jasmine Dr, Pasadena, Texas
<input type="radio"/> Bambino Wrecker Service	4917 Sycamore Ave, Pasadena, Texas
<input type="radio"/> Safelite Ameriquest (TTN Account Only)	619 East Sam Houston Pkwy S Ste 400, Pasadena, Texas
<input type="radio"/> Milstead Road Repair	326 Skywood Drive, Houston, Texas
<input type="radio"/> Milstead Automotive	16350 Ella Blvd, Houston, Texas

Drop & Pick | In Yard

- **Active Events**

This UI helps to find out the events that are in progress of different assets of different customers, sub customers, division and location.

Manage Maintenance Due
Active Events
Deferred Maintenance
Manage State Inspections

Customer:

Sub Customer:

Divisions:

Locations:

Events in Progress

All Time is Displayed in Eastern Time

Unit #	Status	Service	Request Date/Time (ET)	Estimated Time of Arrival	Estimated Complete Time	Required Complete Time	Company	Vehicle Location	Breakdown Unit Type	Vehicle Type	Event Type	Breakdown location	Service Provider
+ 12345	Pending	Mobile Repair	2018-02-15 12:23:47				REG 700	3SGL (Default)	Truck	1/2 Ton Truck	Emergency	PASADENA, TX	
+ 577612	Pending	Major Shop Repair	2018-02-09 14:26:30				REG 700	PASADENA PC231	Truck	Tractor Only	Emergency	grapvine, TX	
+ 577614	Check & Advice	Mobile Repair	2018-01-26 10:32:03	2018-01-26 12:08:00	2018-01-26 12:08:00	0000-00-00 00:00:00	REG 700	PASADENA PC231	Truck	Tractor Only	Emergency	PASADENA, TX	Mistead Road Repair
+ 765362	Pending		2018-03-05 08:35:48				REG 700	PASADENA PC231	Truck	Tractor Only	Emergency	Grapvine, TX	
+ 852524	Confirming OnSite	Mobile Repair	2018-02-27 05:35:50	2018-02-27 05:42:00	2018-02-27 05:42:00	0000-00-00 00:00:00	REG 700		Truck	1/2 Ton Truck	Emergency	Keller, TX	NTB - National Account
+ 889978	Pending	Towing	2018-01-30 00:00:00				REG 700		Truck	1/2 Ton Truck	Emergency	Keller, TX	

- **Proposed Plans**

The team developed this UI to see all the plans that are proposed/assigned via event planner UI. From this UI, the assigned service provider can be changed, and questions can be asked from the new service provider. Service provider and the client receive the respective email when the plan is submitted for confirmation.

- **Reports**

Reports can be generated from this UI after selection of different filters.

Reports

Report Categories

Report Type

Start Date

End Date

Include Details

- **Manage Email Templates**

Email templates can be managed from this UI. This feature allows the client's admin to modify the content of the email sent to the service providers and the clients.

AutoDispatch Email Templates

Email Type:

Email From:

Call Back Phone:

Return Email:

Email Subject:

Email Body

Listed below is a TTN job opportunity to perform work for %%Customer%% - %%SubCustomer%% for a %%Service%% - %%SubService%%.

Please select the link below to accept this job opportunity.

Note: There may be additional Job Opportunities that you can accept once you select the 'Accept Job' link.

%%BreakdownDescription%%

Vehicle: %%VehicleType%% %%Year%% %%Make%% %%Model%%

Distance from Breakdown Location: %%DistanceFromBreakdown%%

Email Body Variables(CategoryItem:626)

- %%Customer%%
- %%SubCustomer%%
- %%ProviderLocationName%%
- %%ProviderDispatchContact%%
- %%Service%%
- %%SubService%%
- %%BreakdownDescription%%
- %%RecommendedRepair%%
- %%VehicleType%%
- %%Year%%
- %%Make%%