

Overview:

The client for this project wanted us to develop an app which in turn would be used by its customers who operate in the business of transporting gasoline. The purpose of this app was to allow these companies to better manage their operations by streamlining the manner in which their drivers would handle their deliveries at various stations. With the right features and an intuitive UI, the app enabled the drivers to keep a complete track of the loads and share all the necessary details during delivery. The app has built-in features to assist in taking of images and signature.

Client details:

Name: Confidential | **Type:** Transport | **Location:** USA

Technologies:

Fabric, Crashlytics, Android SDK (Min. API 19), Android Target Version 25

Project Description:

This app was developed as an extension of the project for developing the comprehensive software solution needed to efficiently manage fuel transportation using trucks. All the trucks that are used to carry gasoline are mounted with a device. These devices are registered by the customers of our client so that the application can be accessed by their users i.e. the drivers. If a device is not registered, then a user can request our client to do so by filling up the required details in the registration screen and subsequently calling them up for confirmation.

Once the request is confirmed or device is registered, the corresponding user is allowed to use his credentials to log into the application. On logging in, a user gets to see the list of deliveries he has to do within the period of time allotted by the customer. Using this app, the users also get access to all forms of information relevant to the deliveries e.g.

Transportation Tracking Application



information on the compartments of the trailers, related notes etc. There is provision to allow them to add their notes as well.

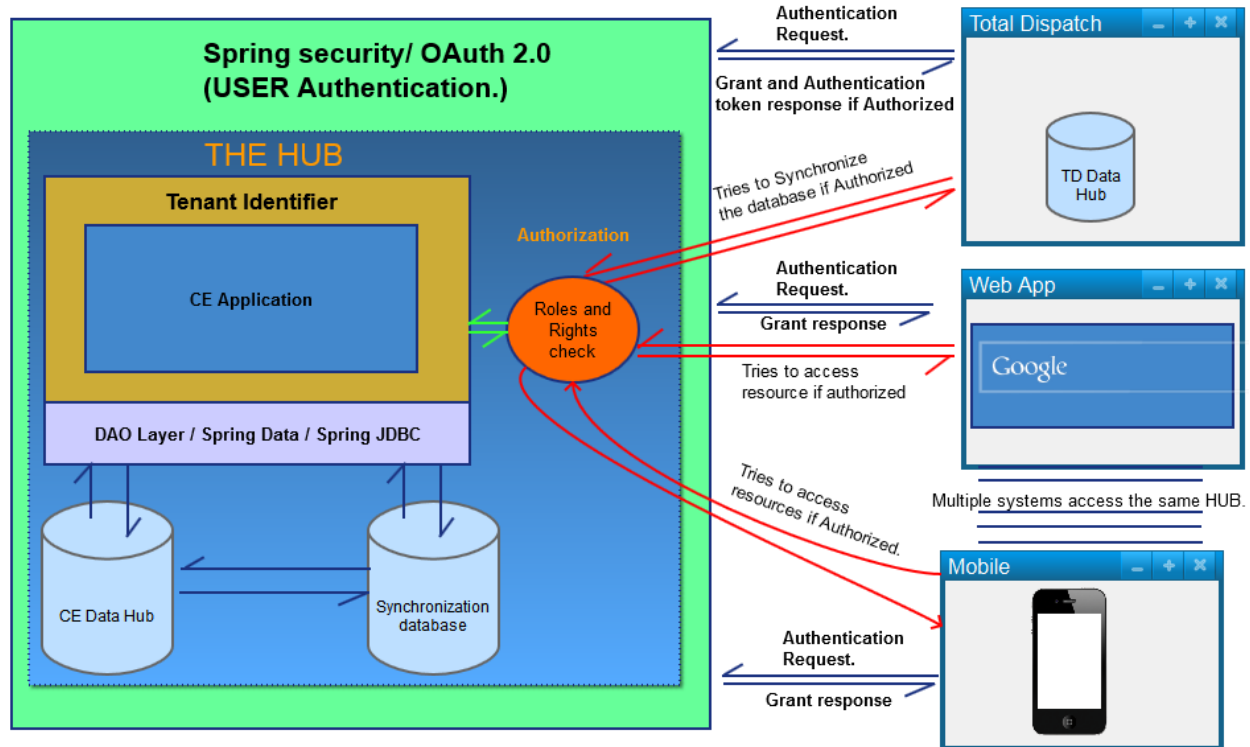
Data security of the app has been given utmost significance. The security measure is based on OAuth 2.0, which prevents the data from being accessed by unauthorized tenants. Following are the key activities facilitated by the app:

- Fetch and display the loads in the mobile application
- Sync the operation on the mobile app to the respective customer
- Take snaps of bills and upload signature to generate the billing and other important documentation on completion of the loads

A user has to punch "IN now" in order to go through the other screens in the app and perform delivery related operations. Once punched IN, user can see notes, alter notes, update delivery times, and enter product details.

Transportation Tracking Application

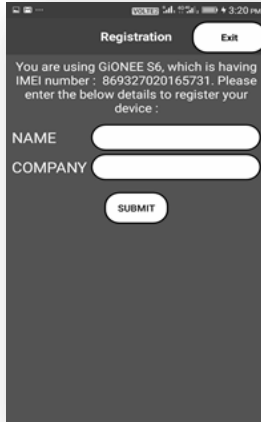
Architecture:



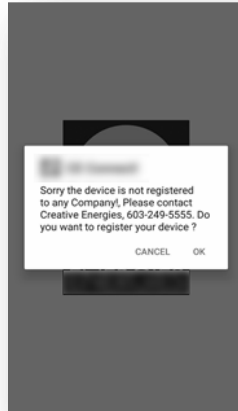
Transportation Tracking Application



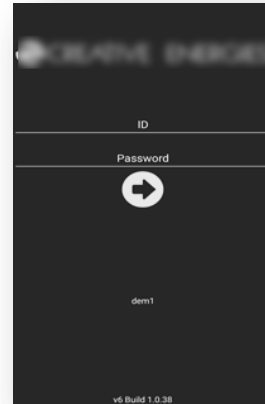
Screenshots:



Registration Screen



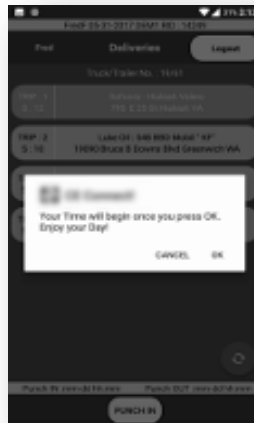
Splash Screen



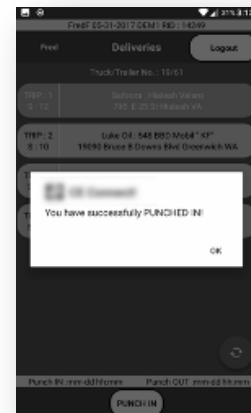
Login Screen



Home Screen

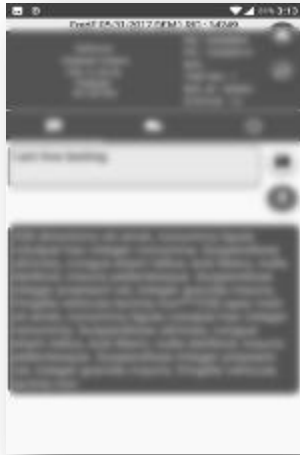


Punch IN



Punch Successful

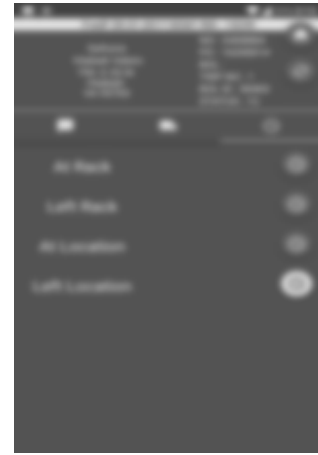
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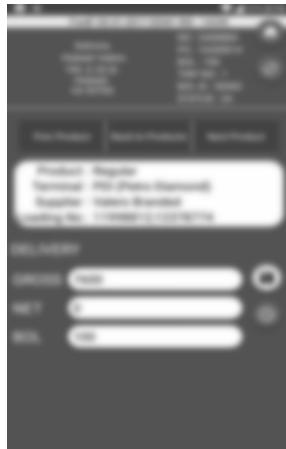
Notes Screen



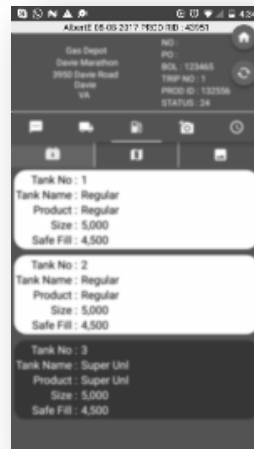
Product Screen



Time Screen



Product details

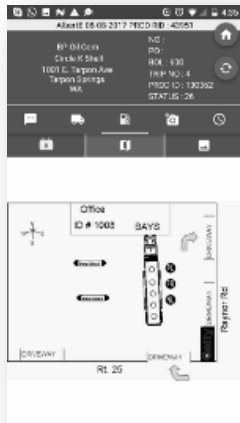


Truck Details



Inventory Details

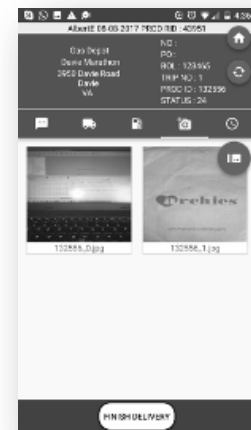
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Station Layout



Dealer Pictures



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