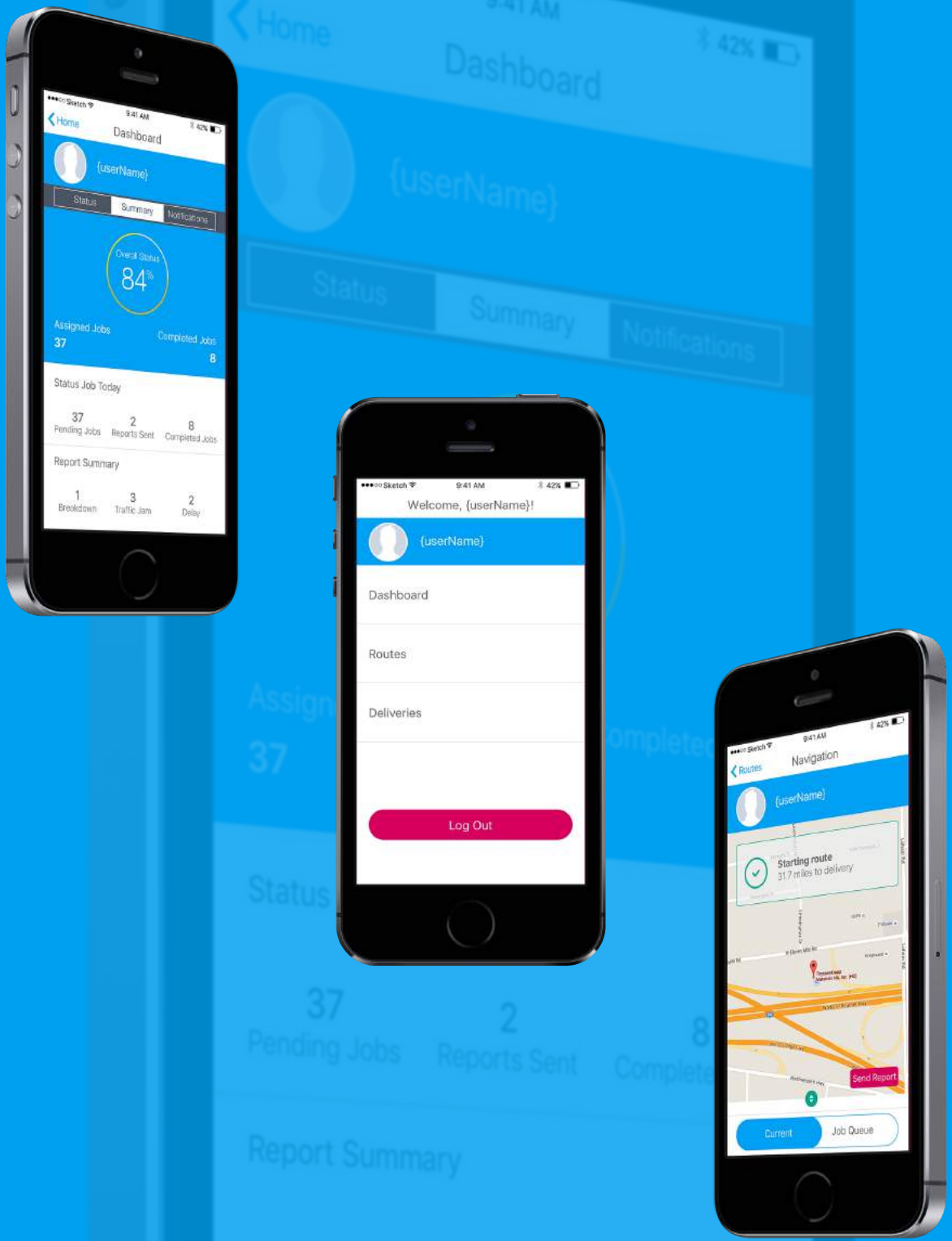
thyssenkrupp

PROOF OF DELIVERIES

APPLICATION DESIGN DOCUMENTATION

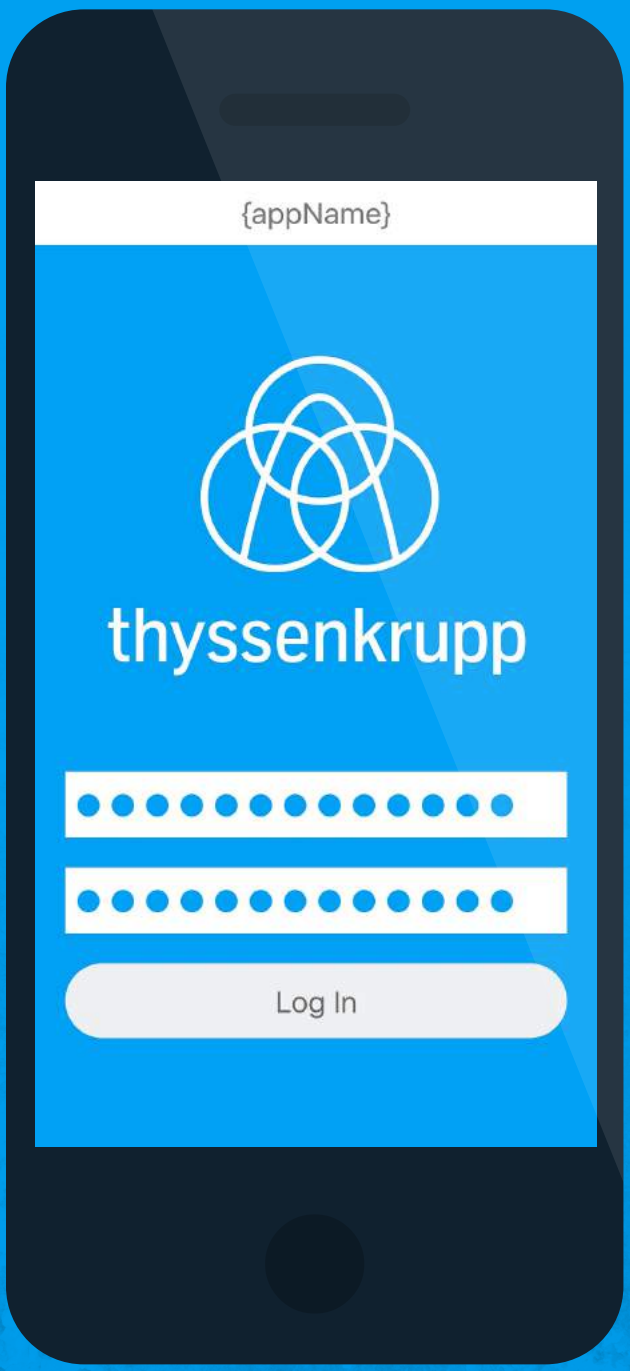

Home
Dashboard
{userName}
Status
Summary
Notifications
Overall Status
84%
Assigned Jobs
37
Completed Jobs
8
Status Job Today
37
Pending Jobs
2
Reports Sent
8
Completed Jobs
Report Summary
1
Breakdown
3
Traffic Jam
2
Delay
Welcome, {userName}!
{userName}
Dashboard
Routes
Deliveries
Log Out
Routes
Navigation
{userName}
Starting route
31.7 miles to delivery
Send Report
Current
Job Queue

For ThyssenKrupp drivers, an application was needed to better alleviate stresses on both the delivering company, and the receiving party.

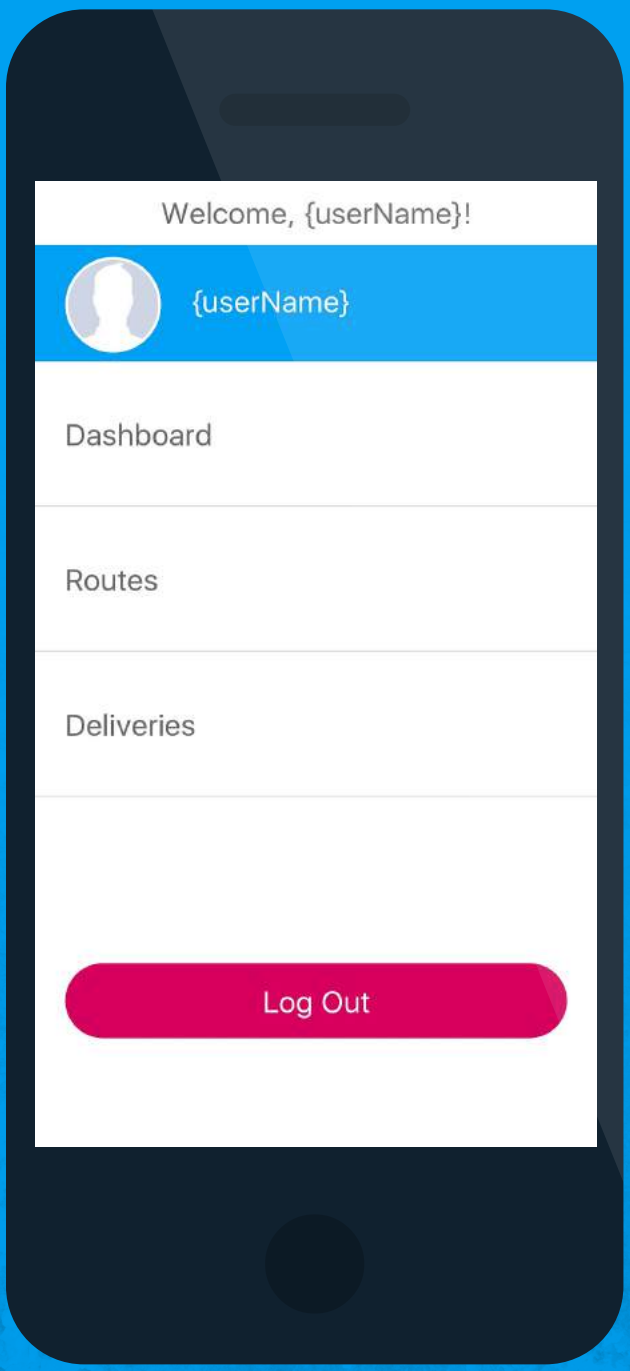
This application had to address multiple requirements from different sectors of the company. The collection of relevant delivery information is what's needed to satisfy these requirements. The list of concatenated requirements being:

- The application should allow driver to log in & log out
- The application should allow driver to see scheduled vehicle & route information
- The application should display route plan to driver
- The application should display all shipments for that driver/truck/route
- The application should allow driver to begin & end route plan
- The application should allow driver to adjust route plan
- The application should allow driver to record critical information in regards to the deliveries (i.e. acceptance, exceptions, rejections, and possible delays)
- The application should allow driver to capture signatures for deliveries
- The application should capture and store all relevant information regarding deliveries (i.e. time, day, month, year, signatures, location via GPS, total time, total mileage, odometer start & end)

These requirements were interpreted, integrated with the current ThyssenKrupp branding and design guidelines, and packaged into an easy to navigate design, while also staying relevant with top design trends and implementations.



The log in screen is kept very simple and clean. No confusing elements to distract the user should exist. Simply give the the ability to log in.

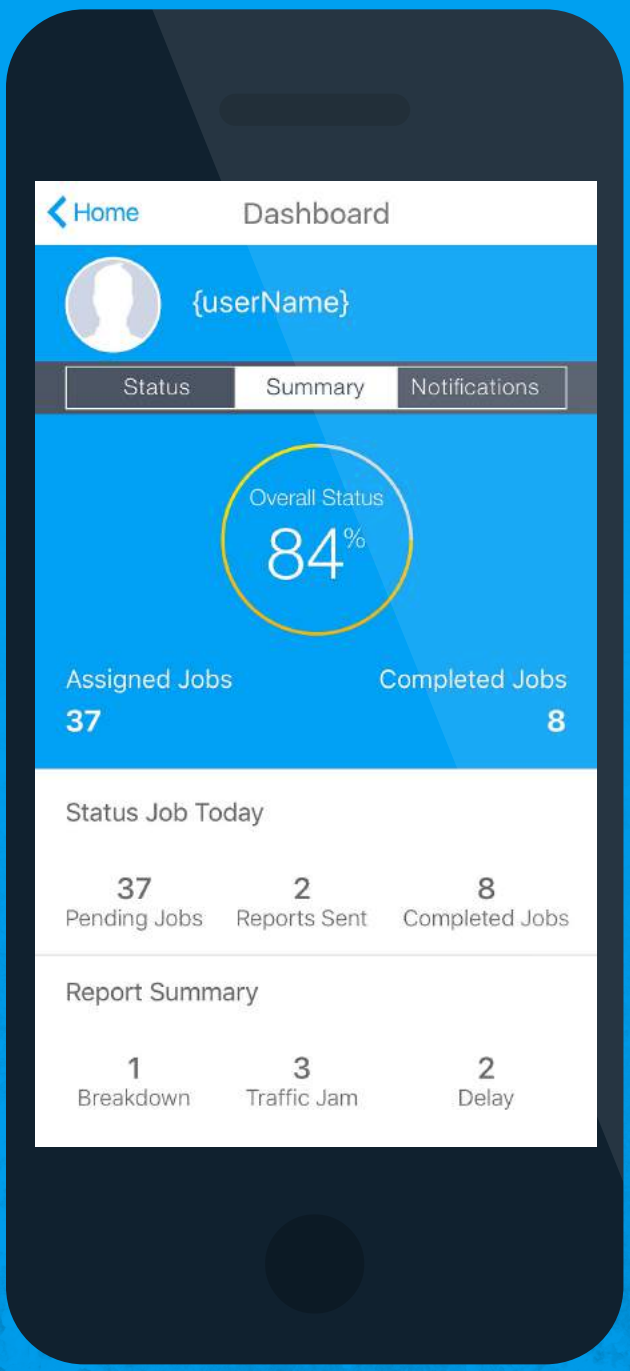


Based off of the requirements, the home screen should focus on 3 main views for the driver...

1) The dashboard view which consolidates all statistics and notifications of the driver

2) The routes view to display the vehicle/route relationship the driver is assigned to during that time

3) The deliveries view where the driver can see a chronological list of all deliveries associated with his/her vehicle and route schedule



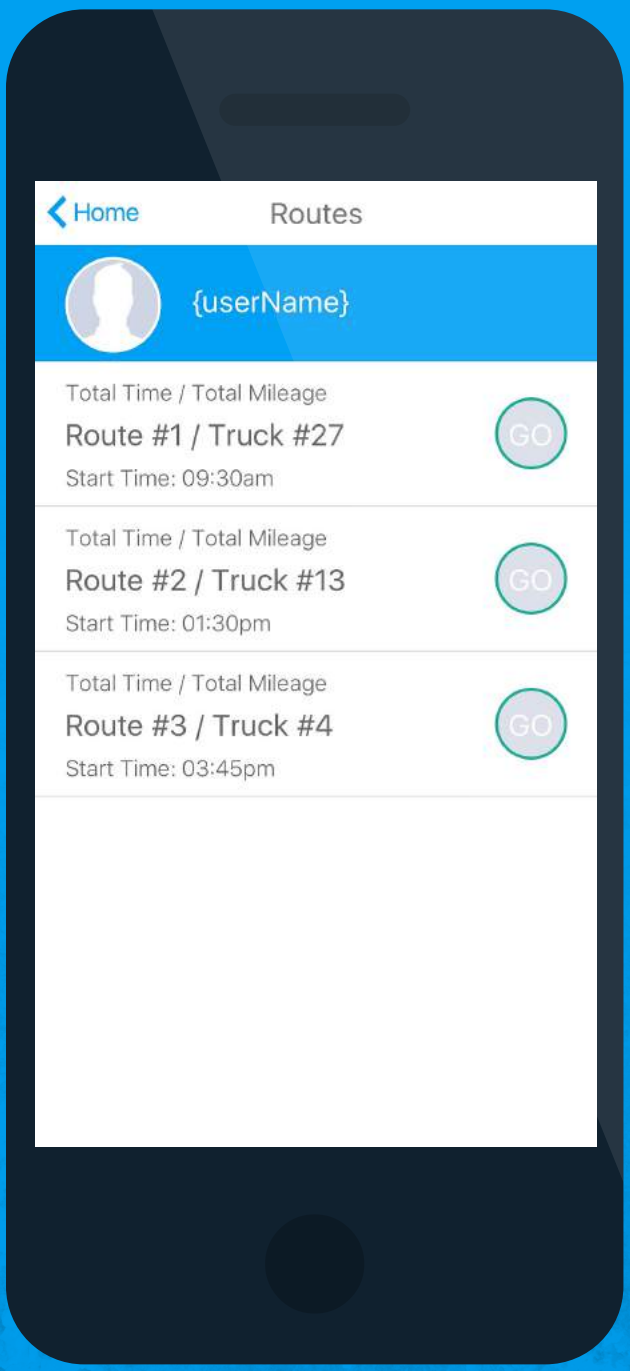
The dashboard view will consolidate all statistics about the driver and their progress into one easy to understand view.

Main sections of the dashboard view (Status, Summary and Notifications) are accessible via a tab system at the top of the screen.

Status would show a more focused stats view on the current vehicle/delivery route.

Summary would show the combined stats of all assigned vehicle/routes.

Notifications would be for the updates and direct interaction between the delivery company and the driver.

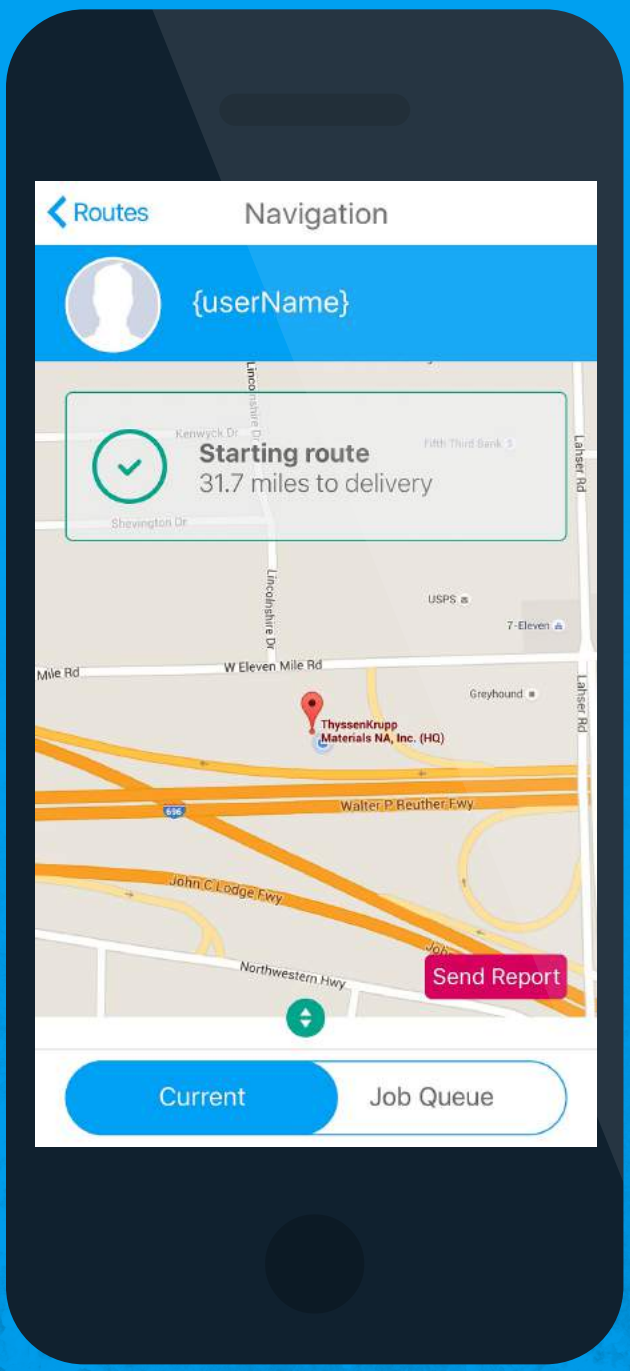


The routes view would hold the vehicle/route assignment(s).

The original requirements called for the driver to select their vehicle and also their route. This would be counter productive as this lets the driver have too much control over the system of deliveries. This in turn would lead to errors and lapses in productivity.

The suggestion would be for the vehicles and routes to already be assigned and linked. This would prioritize order placement as someone, or a group, who orders first should in fact get their deliveries first.

The list would serve as a visual indicator of what their day will look like, with the only selectable one being the one in their assigned time field.

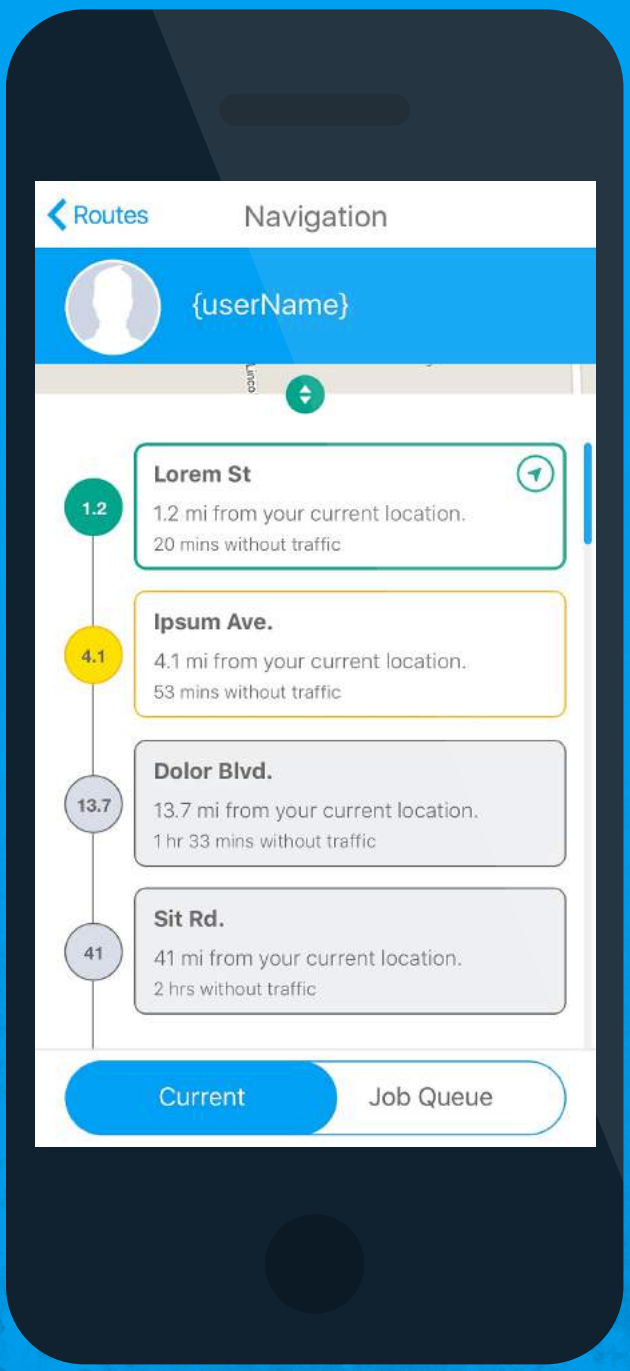


The navigation section of the routes view will initiate GPS turn-by-turn information for the driver.

Without pulling the driver out of the navigation view, they can see many elements of the selected route.

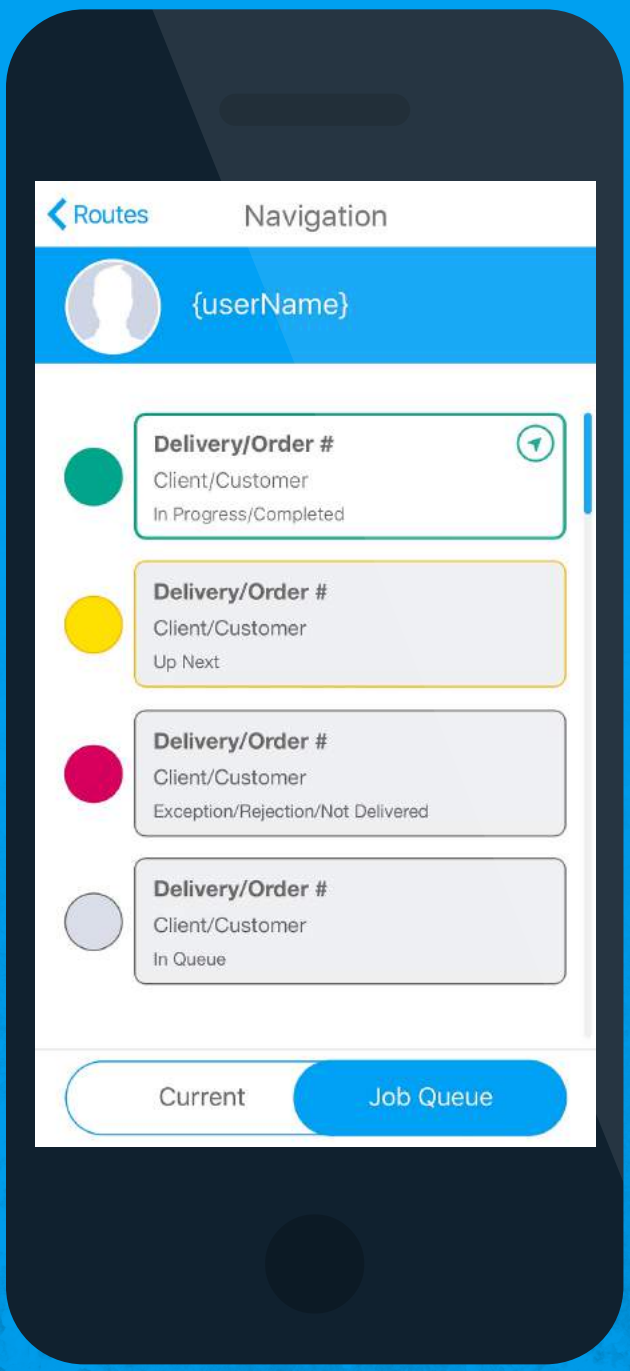
The tabs "Current" and "Job Queue" would switch the driver between the navigation view and the job queue view for a heads up on what's next.

Navigation Expanded (on next page) gives the drivers a visual list of turn-by-turn information.



Navigation Expanded (mentioned on previous page page) gives the drivers a visual list of turn-by-turn information.

More of a heads up on the nest turns from start to completion.



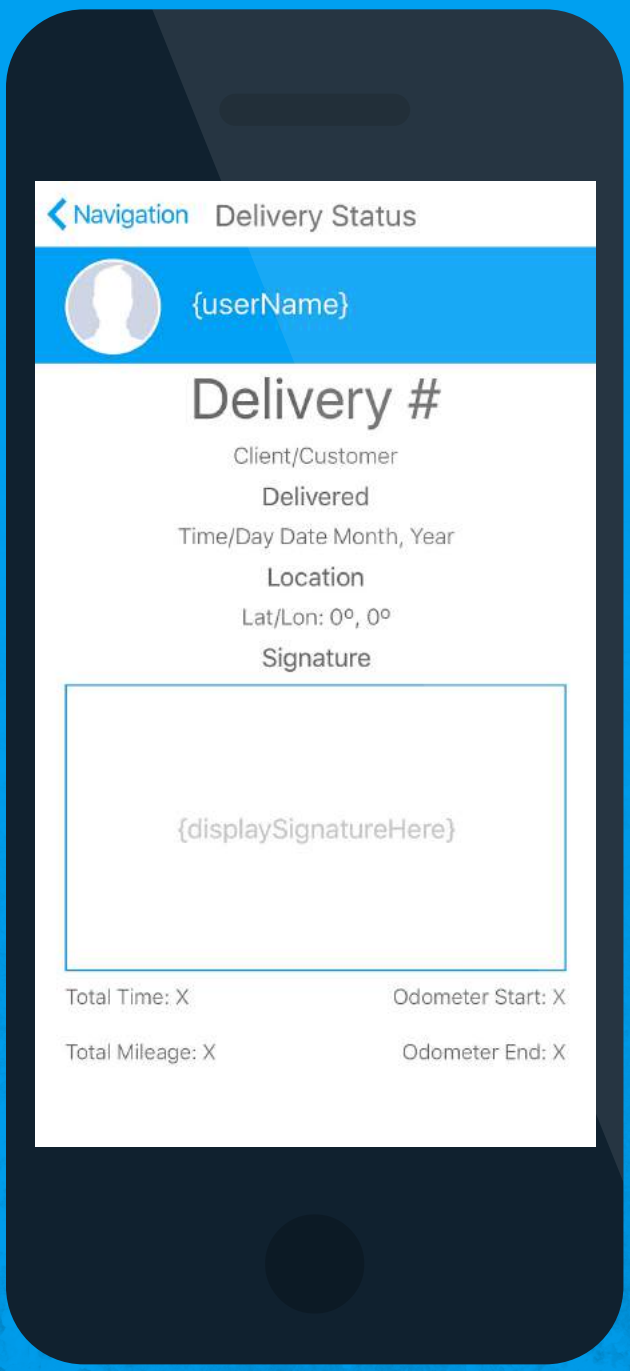
The Job Queue tab shows all deliveries in chronological order on the current route.

Green stands for current or completed deliveries.

Yellow stands for deliveries that are up next.

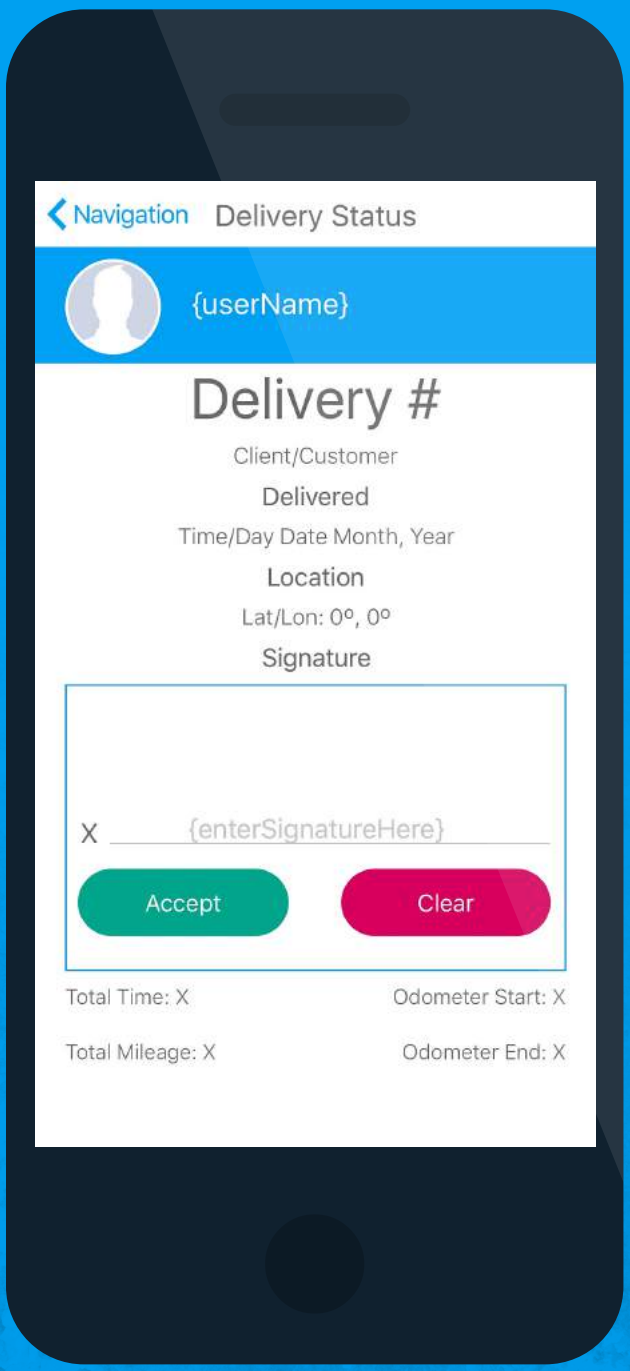
Red stands for deliveries with exceptions, rejections, or that weren't delivered.

Gray stands for in the queue (standard state).



The Delivery Status view (present when you tap on a delivery in the Job Queue) shows all relevant data for that specific delivery.

It will capture delivery status, time, date, day, month, year, location, signature, total time, total mileage, odometer start and end counter.



Tapping the signature box will bring up the Capture Signature Form.

The customer will sign with their finger/stylus, and then press accept to apply the signature to the delivery.

The in background, the signature will be captured as a high resolution JPEG or PNG and be stored with other relevant delivery data.