

Navigator: Your Smart Guide for Efficient Deliveries

1. Executive Summary

This report introduces "Navigator," a key feature within your Delivery App designed to revolutionize how you manage and complete deliveries. Navigator provides you with real-time, optimized routes, clear trip details, and essential tools to ensure every delivery is smooth, on time, and hassle-free. It helps you quickly find your way, track progress, and efficiently handle orders from pickup to drop-off, ultimately boosting your productivity and customer satisfaction.

2. Introduction

As a delivery professional, you know that efficient navigation is critical to your success. Losing time due to incorrect routes, struggling to find a customer, or fumbling for order details can lead to frustration and delayed deliveries. The Navigator feature addresses these common pain points by providing you with a powerful, easy-to-use tool to guide you through your daily tasks.

The purpose of Navigator is simple: to improve your delivery efficiency and significantly reduce travel time. It acts as your personal guide, showing you live routes on an interactive map. This means you can easily track merchant and delivery locations, access customer contact information with a single tap, and manage your trips with confidence. In simple terms, Navigator helps you get from point A to point B as quickly and accurately as possible, ensuring you have all the information you need at your fingertips.

3. Main Content (User-Focused Sections)

What This Means for You

With Navigator, you'll experience a range of practical benefits that make your delivery job easier and more productive:

- **Optimized Routes:** Get the most efficient path to your destinations, saving time and fuel.
- **Real-time Tracking:** See your live position and route updates, helping you stay on track.
- **Clear Trip Information:** All necessary trip details – dispatch address, ETA, order specifics, total amount, and customer contact – are readily available.
- **Reduced Stress:** No more guessing or getting lost; Navigator guides you every step of the way.
- **Faster Deliveries:** Efficient navigation leads to quicker completion of orders and more deliveries per day.
- **Enhanced Customer Service:** Easily call customers or track orders to provide timely updates.
- **Automated Updates:** Your trip status is updated in the system as you progress, simplifying your workflow.

How It Works

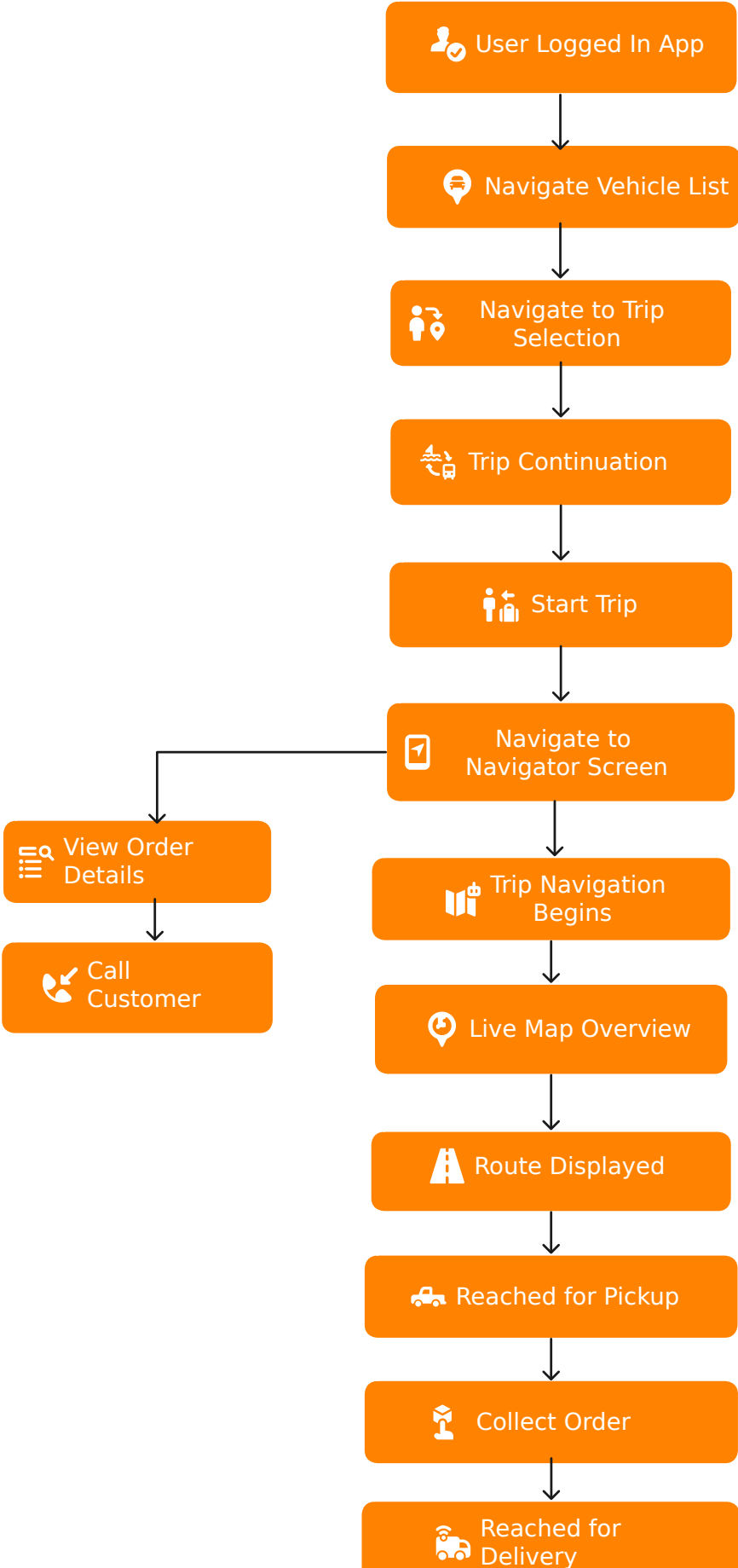
Navigator seamlessly integrates into your delivery workflow, guiding you from the moment you start your trip until the final delivery.

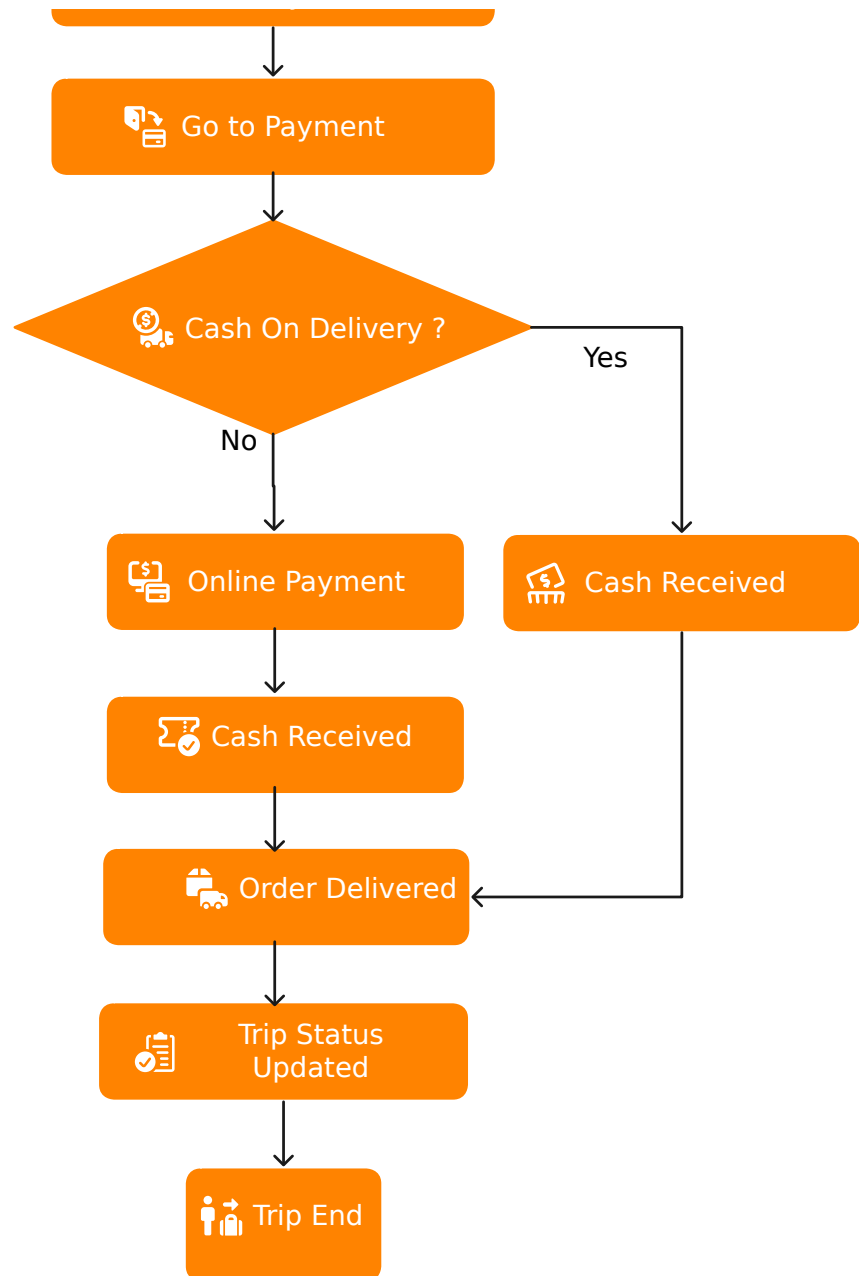
1. **Select Your Trip:** After logging in and choosing your vehicle, you'll see your assigned trips. Select the trip you wish to start.
2. **Start Navigation:** Tap the "Start Trip" button to initiate navigation. The app will transition to the Navigator screen.
3. **Live Map View:** The Navigator screen displays a live map showing your current location, the optimized route, and location pins for both pickup and drop-off points.

4. **Access Trip Details:** On the Navigator page, you can view comprehensive trip details like dispatch address, estimated time of arrival (ETA), order information, and the total amount.
5. **Manage Your Trip:** Buttons are available for key actions such as "Reached for Pickup," "Mark Cash Received," "Collect Order," "Mark as Reached for Delivery," and "Mark as Delivered." You can also "Call Customer" directly.
6. **End Trip:** Once all deliveries for a trip are complete, you can tap the "Stop" button (which replaces "Start" after initiation) to conclude the trip.

This process is visually represented in the Sub-Module Flow Chart Diagram below:

Navigator Screen Flowchart



Made with  Napkin

Getting Started

Follow these simple steps to begin using Navigator for your deliveries:

1. **Launch** the delivery app on your device.
2. **Enter** your valid login credentials and **tap Login**.
3. On the Vehicle List screen, **select** your assigned vehicle (e.g., **Truck-12**).
4. On the Trip Selection screen, **tap** on the assigned trip (e.g., **TRP_45789**).
5. **Tap** on the **Trip Continuation** button.
6. **Tap** the **Start Trip** button when it becomes visible.
7. The app will transition to the Navigator screen, displaying your map routes and trip details.
8. To begin navigation, **tap** the **Start** button if it's available.
9. To set an estimated time of arrival, **click** on **Schedule ETA**, **set** the date and time, and **Save** it.

Key Features You'll Use

- **Live Map:** Get a real-time view of your current location, optimized route, and destination points. You can **pinch to zoom** in or out to adjust your view.
- **Trip Details:** Access crucial information like dispatch address, ETA, order details (ID, package count, date), vehicle name, and IMEI directly from the Navigator screen.
- **Start/Stop Trip:** Initiate your delivery journey with a **Start** button, which then transforms into a **Stop** button for when you've completed your tasks.
- **Call Customer:** Instantly connect with your customers with a dedicated **Call Customer** button within the trip details.
- **Status Updates:** Mark key milestones like **Reached for Pickup**, **Reached for Delivery**, **Collect Order**, and **Mark as Delivered** with simple taps.
- **Cash Collection:** For Cash on Delivery (COD) orders, easily **Mark Cash Received** and enter the collected amount.
- **Order Manifest Screen:** After starting a trip, you'll be directed to this screen to manage specific order details.

Common Scenarios

Here's how Navigator helps you in typical delivery situations:

- **Starting Your Day:** After logging in, you select your vehicle and your first assigned trip. With a few taps, the "Start Trip" button initiates navigation, and you're immediately shown the map with your route and all necessary trip details.
- **Navigating to Pickup:** As you drive, the live map guides you to the merchant's location. Once you arrive, you tap "Reached for Pickup," and the app updates your status and shows you next steps, like entering the package count.
- **Managing Order Details:** Before leaving the pickup location, you might need to confirm items. You can easily click "Order Details" to verify the order ID, package count, and date.
- **En Route to Delivery:** The Navigator continues to provide real-time directions. If you need a closer look at a tricky intersection, you can quickly **Zoom In** on the map.

- **Communicating with Customers:** If you need to inform a customer about a delay or confirm their availability, you simply **Click Call Customer** from the trip details screen.
- **Completing a Delivery:** Upon reaching the customer, you tap "Mark as Reached for Delivery." After handing off the order and collecting cash (if applicable by tapping "Mark Cash Received"), you finally tap "Mark as Delivered."
- **Reporting an Issue:** If you notice a map error or an incorrect location, you can use the "Report Map Issue" feature to provide feedback.

What to Expect

When using Navigator, you can expect a smooth, guided experience that keeps you informed and on schedule:

- **Successful Login and Trip Selection:** You will seamlessly log in, select your vehicle, and view your assigned trips.
- **Clear Navigation Display:** After starting a trip, the Navigator screen will appear with accurate, real-time map routes, your current location, and all pertinent trip and vehicle details.
- **Accurate ETA:** Your estimated time of arrival will be calculated and updated in real-time based on your location and route progress.
- **Responsive Actions:** Tapping buttons like "Start," "Schedule ETA," or "Order Details" will trigger their intended actions instantly, without delays.
- **Smooth Workflow:** As you reach pickup and delivery locations, the app will update statuses (e.g., "Arrived at Pickup," "Delivered") and guide you through subsequent actions.
- **Order Details at Hand:** Order information (ID, package count, items, recipient info) will be clearly and accurately displayed whenever you access "Order Details."
- **Functional Map:** The map will load correctly, allowing you to zoom in and out smoothly without distortion, and displaying accurate pickup and drop-off locations.
- **Connected Communication:** Calls to customers will connect successfully from within the app.

Business Rules & Constraints

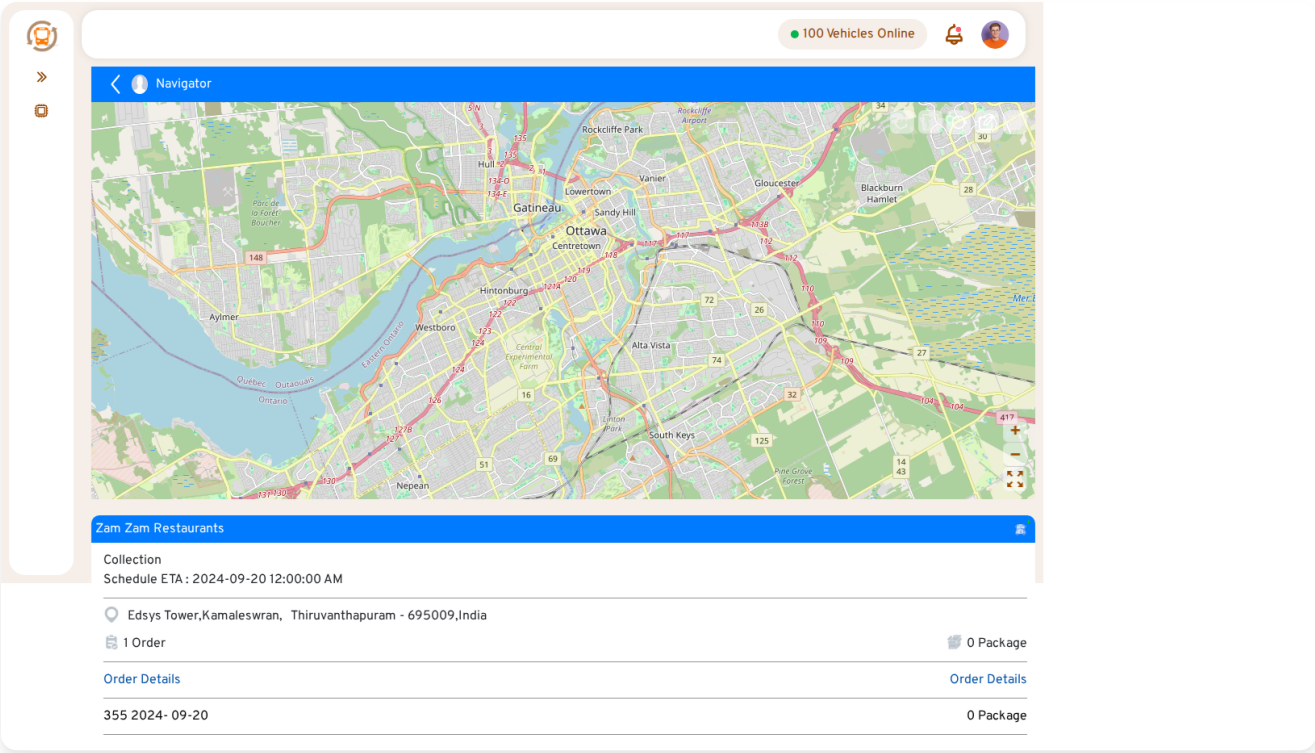
To ensure Navigator works effectively, please keep the following in mind:

- **Active Internet Connection:** Navigator requires a stable and active internet connection to provide real-time updates for routes, directions, and to sync trip statuses. If your internet connection is lost, you might not receive live updates.
- **Enabled GPS:** Your device's GPS (Location Services) must be enabled for the app to accurately track your location and provide correct navigation. If GPS signal is lost, move to an open area to improve reception. The map will automatically refresh when signal is regained.
- **Regional Boundaries:** Vehicles are expected to operate within their defined regional boundaries. If a vehicle's location appears outside its assigned region on the map, it could indicate a GPS inaccuracy or an incorrect trip assignment.
- **Route Optimality:** Navigator generally displays the most efficient route. While you can zoom out to explore alternatives, the primary route provided is optimized for speed and efficiency.
- **Map Accuracy:** While highly accurate, if directions seem incorrect, verify your map settings and location permissions, or refresh the app. For significant discrepancies (wrong pickup/delivery location), verify order details and contact support if necessary.
- **Speed Display:** The live map does not display your current speed.
- **Trip Status Updates:** Ensure that the trip status is accurately updated in the app, especially if you restart a trip and don't see your new route immediately. Refreshing the app or re-enabling location services can help.

4. Visual Elements & Supporting Information

Navigator Map View: Details View

This screen provides you with the live map and an overview of your trip. It's where you'll see your current location, the optimized route, and key navigation features.



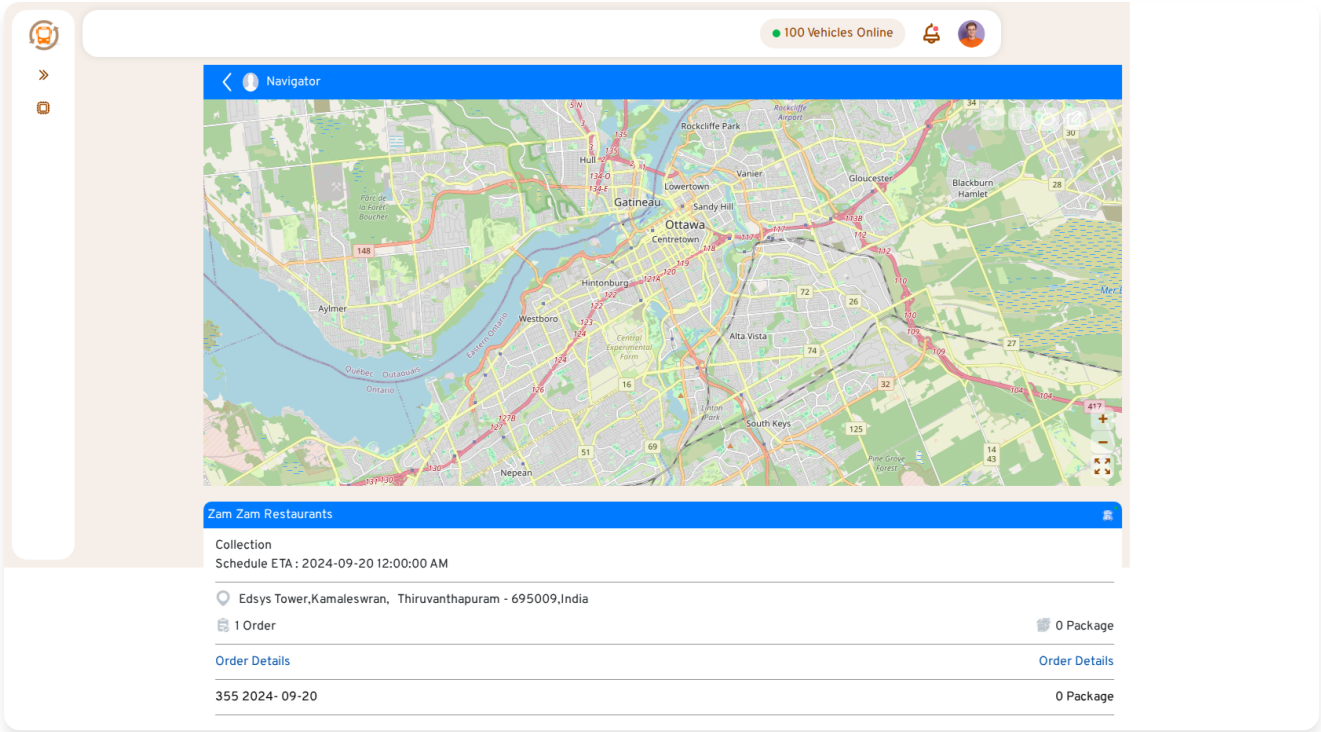
Field Validation Table

This page contains fields to manage your trip, including package details.

Field Name	Mandatory	Field Type	Data Type	Field Size	Is Editable	Description
Pkg Can't	Yes	Text	Number	N/A	Yes	Enter the count of packages for the order
Issue Details	Yes	Text	String	Long Text	Yes	Describe any map issues you encounter

Navigator: Trip Location View

This view focuses on the specific details of your current trip, including dispatch information, order specifics, and actions you can take, such as starting the trip or calling the customer.



Field Validation Table

This page allows you to input details related to your trip's schedule and payment.

Field Name	Mandatory	Field Type	Data Type	Field Size	Is Editable	Description
Schedule ETA	Yes	Date/Time	Date/Time	N/A	Yes	Set the estimated time of arrival for the delivery
Amount	Yes	Text	Number	Up to 9999	Yes	Enter the cash amount received for COD orders

5. Summary & Benefits

The Navigator feature is your essential companion for efficient and stress-free deliveries. By providing real-time optimized routes, comprehensive trip details, and intuitive tools for managing order statuses, it significantly streamlines your workflow. You'll spend less time figuring out directions and more time completing deliveries, leading to higher productivity, reduced operational costs, and happier customers. Navigator empowers you to navigate your day with confidence, ensuring every trip is a success.