

Freight Shield Basic User Testing Plan

Introduction:

In order to properly develop our application, we need to interact with clients and get their input on our software solution. This document is to lay down groundwork for that. The testing strategy in this plan is mostly functional, manually trying to get users to go through basic tasks. The goal here is to make sure the application meets the requirements, and to get user's opinions on the current system.

Logistics/Tools:

Start Date/End Date: _____

Team Members Involved: _____ (At least one)

Participants: _____

Equipment: 1x Laptop w/ development build running, possibly w/ Zoom or some other recording

Timing: Varies

Format:

- Qualitative
- In-person/Remote
- Moderated

Tasks:

All specific tasks, since we want to check each feature:

General:

Task:	Notes/Feedback:
<p>Log in/Log out</p> <ul style="list-style-type: none">• Give the tester a prepared log in• Have them enter the information to the login form<ul style="list-style-type: none">◦ Open to the carrier marketplace page◦ Display Correct User information on navigation bar• Have the user hit the log out button<ul style="list-style-type: none">◦ Should go back to login form• Have the user try to access the site without logging in (blank form, or incorrect information)<ul style="list-style-type: none">◦ Shouldn't allow the user to see the same pages	<p>Time on Task/Delays:</p> <ul style="list-style-type: none">◦ <p>• Likes/Dislikes/Recommendation:</p> <ul style="list-style-type: none">◦ <p>• Errors:</p> <ul style="list-style-type: none">◦
<p>Sign up</p> <ul style="list-style-type: none">• Navigate to the sign up page from the login	<p>• Time on Task/Delays:</p> <ul style="list-style-type: none">◦ <p>• Likes/Dislikes/Recommendation:</p>

<ul style="list-style-type: none"> • Enter a new username/password and email <ul style="list-style-type: none"> ◦ Check database on backend for entry • Try to log in <ul style="list-style-type: none"> ◦ Shouldn't work without admin approval • Modify new entry in database manually to accept new user <ul style="list-style-type: none"> ◦ Might need a separate workstation • Navigate back to login page • Log in with newly approved account 	<ul style="list-style-type: none"> ◦ • Errors:
--	--

Shipper:

Tasks	Notes:
Check Blank Active Loads <ul style="list-style-type: none"> • Navigate to Active Loads Page <ul style="list-style-type: none"> ◦ Should be blank for a new user • 	
Create new load <ul style="list-style-type: none"> • Navigate to Post a Load Page • Use the form to create a new assignment <ul style="list-style-type: none"> ◦ Explore a few different types of loads and locations ◦ Try to submit with incomplete information, or incompatible data • Submit new Assignment <ul style="list-style-type: none"> ◦ Should either create new blank form for load or go to active loads • Navigate to Active Loads Page <ul style="list-style-type: none"> ◦ Verify new load is visible ◦ Including correct information 	
Evaluate multiple posted Loads <ul style="list-style-type: none"> • (before testing) Use Backend to add multiple premade assignments to database • Navigate to Active Loads Page <ul style="list-style-type: none"> ◦ Should be able to display all information for all loads in list format 	<ul style="list-style-type: none"> •
Track a Load: <ul style="list-style-type: none"> • (before testing) Use Backend to add a single premade load to database <ul style="list-style-type: none"> ◦ • Navigate to Active Load Page <ul style="list-style-type: none"> ◦ Should include added load 	<ul style="list-style-type: none"> •

<ul style="list-style-type: none"> • Select “Track this Load” <ul style="list-style-type: none"> ◦ Should match the status and other information • Using backend, modify the information • Reload Active Load Page, and Track Again <ul style="list-style-type: none"> ◦ Verify that information has been updated 	
View History (currently untestable, need to set up system for completing tasks first)	<ul style="list-style-type: none"> •

Carrier:

Task:	Notes:
View and Accept Loads: <ul style="list-style-type: none"> • (before testing, or alternate account) make several new job posts • Navigate to Marketplace <ul style="list-style-type: none"> ◦ Should display all created (unclaimed) jobs • Select a Load and accept it <ul style="list-style-type: none"> ◦ Reload marketplace to verify it isn’t visible • Navigate to Accepted Loads <ul style="list-style-type: none"> ◦ Verify that accepted load’s information is available 	

Driver:

Task:	Notes:
Logbook entry <ul style="list-style-type: none"> • Navigate to logbook entry • Select “enter new logbook” • Enter sample information <ul style="list-style-type: none"> ◦ Specifically ask for comments about current UI • Save entry <ul style="list-style-type: none"> ◦ Should return to logbook page, with new entry visible 	
Logbook entry (non-compliant) <ul style="list-style-type: none"> • Navigate to logbook entry • Select “enter new logbook” 	

<ul style="list-style-type: none"> • Enter new information <ul style="list-style-type: none"> ◦ Verify warnings for various laws <ul style="list-style-type: none"> ▪ Exceeding maximum driving hours ▪ Missing 1 and 0.5 hour breaks ▪ Failing to meet minimum off duty hours • Save and return to logbook <ul style="list-style-type: none"> ◦ Verify that logbook entry (while non-compliant) is still saved 	
<p>Receive Assignment</p> <ul style="list-style-type: none"> • (before testing) Give driver account a new • Navigate to Current Assignment Page <ul style="list-style-type: none"> ◦ Verify that they get notified about new requested • Select new assignments <ul style="list-style-type: none"> ◦ Verify that information is consistent and visible 	
Complete Assignment (currently not testable)	

Admin

-
- Carriers:
 - Accept a new assignment
 - Use navbar to go to marketplace
 - View a
- Shippers:
 - Post a new assignment
 - N
 - View list of posted loads
 - Track a

-
- Drivers:
 - Receive a new assignment from a carrier
 - Get notification
 - Check information on assignment
 - Confirm acceptance w/ carrier
 - Complete an assignment
 - Navigate to page for current assignment
 - Check that assignment is no longer being tracked
 - Fill out a logbook for a shift
 - Navigate to logbook section
 - Create a new page
 - Fill in date
 - Assign each hour to a different status
 - Get verified that logbook meets regulations