

Digital Truck Tickets: Modernizing Port Logistics

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Background

- Intermodal shipping containers are the backbone of the global supply chain
 - Intermodal: Movable by ship, truck, train
- Ports can have tens of thousands of containers at any one time
- Containers move in and out of ports on trucks

Problem

- Truckers cannot locate a container without its "address" (stack location)
- Ports print out paper tickets with stack locations
- Wastes: paper, money, IT resources
- Solution: driver's smartphones

Goal

- Build proof of the concept

Results

- Completed app for iOS that provides ticket instructions
- Completed web server to handle HTTP requests from the app
- Concept proven

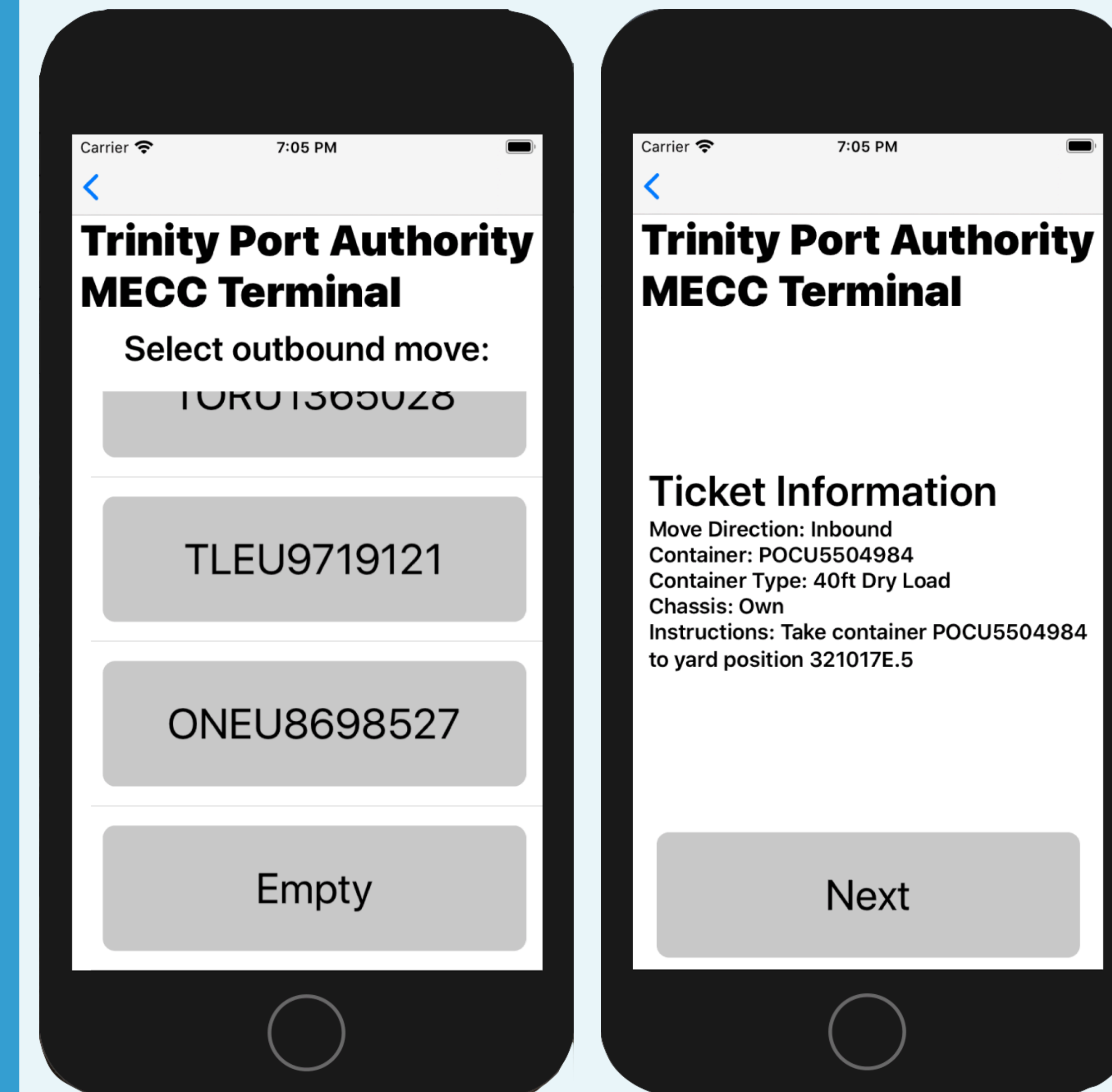
Find the pink dot: that's 1 container*

*Containers can be stacked as many as 6 high

Line = 1.7mi

App Interface

- Large buttons suited to older drivers (average age ≈ 50)
- Tested by drivers at the Port of Savannah, GA



Technologies



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