



Ensuring Building Safety by Secure Door Inspections



Client Business Description

- ◇ DHI licensed Software Company providing Door Assembly & Inspection Services.

Background

- ◇ The company provides technology solutions that drastically reduce the time required to inspect commercial door openings in the field and electronically coordinate data collected and distribute subsequent reports to those who need it.

Challenge

- ◇ The 2007 edition of NFPA 80: Standard for Fire Doors and Other Protectives, makes fire doors inspection and maintenance mandatory and no longer merely a recommendation.
- ◇ This new standard requires that all fire rated doors be inspected annually / more frequently on failures, which is a daunting task with paper forms alone.

Idea

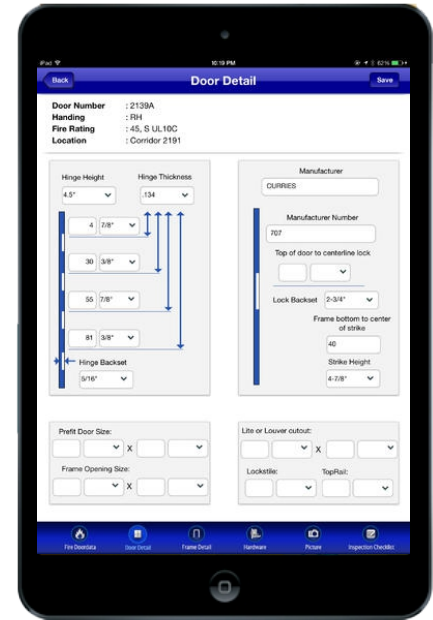
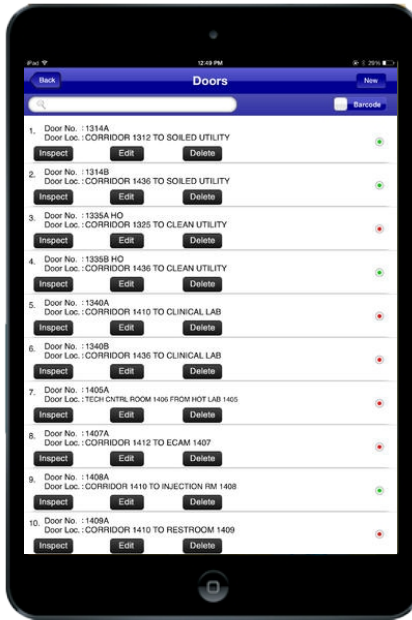
- ◇ Create field extension of web application to run on mobile devices (Smartphones / Tablets).
- ◇ The mobile Field Automation Product shouldn't need cellular or data connectivity while conducting inspection.

Our Solution

- ◇ DOORDATA's first two products "Fire DOORDATA and Mobile DOORDATA" were created to address the International Building Code's (IBC) newly adopted standard, NFPA 80, 2007.
- ◇ Automated the workflow forms on Mobile platforms and also let the Inspectors manage the inventory from the device.
- ◇ Native application helped conducting multiple off-line inspections at the same time. When re-connected to data services, the mobile application synced inspections with web backend, generating and emailing reports while still in the field.

Technologies Used

- iOS
- Amazon Web Services
- PHP / Zend Framework
- MySQL / SQLite



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