System Specification

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Overview

This system specification document is a deliverable from the stakeholder requirements, user personas, user scenarios, and user task list research. This document outlines the main goals of the project and defines necessary system components.

Requirements

Functional: Re-stating the primary purposes of this system implementation:

- Inventory management needs
- Equipment repairs processing
- Equipment scheduling to crews, vehicles, and jobsites

Software

The application is intended to be setup on the Microsoft forms platform. Other modules within the Microsoft Office environment (Excel, Teams, etc.) are already in place at the business, so these would likely be used adjacent to or in tandem with the Microsoft forms platform. For the project proposal, however, the system will be introduced as an entirely standalone application with it's own dedicated application and database.

Hardware

The users will access the forms application via their mobile phones. Although a common feature on most modern smartphones, these devices will need a full HD (high definition, 1080p) camera to read scan QR/barcodes.