

Development and Deployment of Digital Applications for

Reactor Operations and Engineering Records

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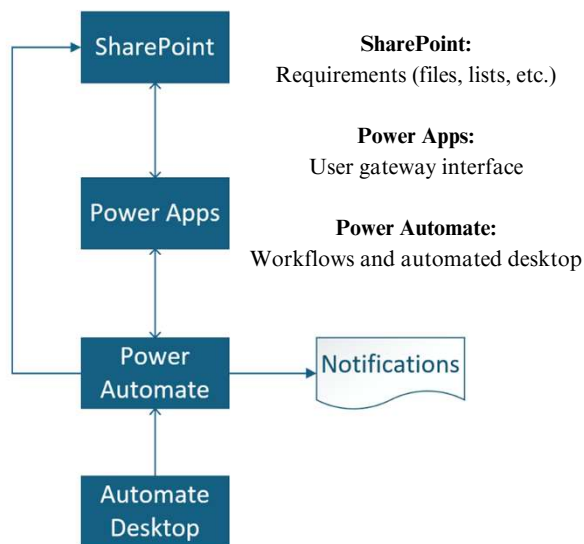
Abstract

Reactor Operations and Engineering (ROE) records are essential for accurate, well-documented work. After an extended reactor outage, information was spread across multiple sources, formats, and legacy systems, making records harder to locate and manage. This project supports the development and deployment of digital applications that transform existing information into compatible data formats. Using tools such as SharePoint, Power Apps, and Power Automate, these applications help streamline workflows and improve records management. The project focuses on the ROE Drawing App and the Scheduling App, which support drawing control, workflow tracking, and planning readiness. Overall, this work improves accessibility, organization, and efficiency for ROE records and work processes.

Project Overview

Transformation of information sources into compatible data formats to support development of relational applications that streamline work processes.

Relational Applications Used for the Projects:



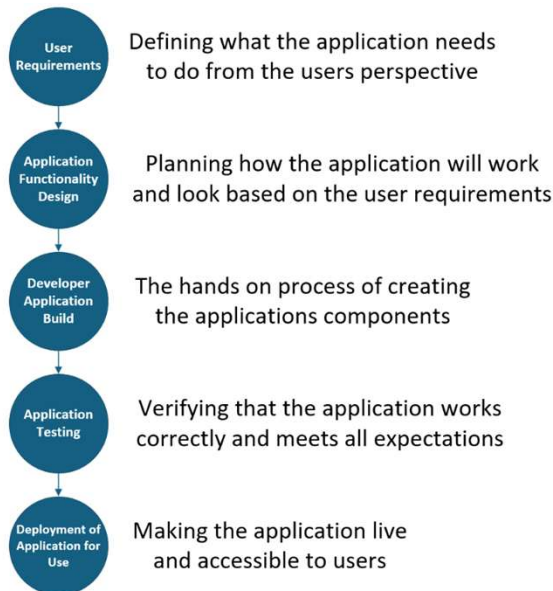
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Methodology



Results

- Created workflow designs for both applications
- Identified data requirements and relationships
- Supported testing and feedback
- Improved digital organization of ROE records and work processes

Impact

These applications improve ROE records management by making information easier to access, track, and update. The Scheduling App supports planning readiness, while the Drawing Application supports drawing version control.

Scheduling Application

The Scheduling App provides the planning team with readiness status for work that needs to be scheduled.

Scheduling Application Workflow Overview



It tracks work requests, priority review, prerequisite activities, schedule readiness, and work completion status.

The Scheduling App is currently in the **Application Testing** stage. Current progress includes testing each screen for user errors and documenting errors in a spreadsheet for edits to be made.

Scheduling Application Status



Drawing Application

The Drawing Application supports configuration management of ROE design drawings.

Drawing Application Workflow Overview



It supports drawing revision tracking, review and approval workflows, publishing of current approved versions, source drawing library organization, PDF conversion, and improved accessibility.

The Drawing Application is in the **Application Testing** stage. Current work includes final data quality review of the source drawing library and user testing of the application interface.

Drawing Application Status

