

Induction App Project

Version History & Feature Summary

Development Log

December 5, 2025

Project Overview

The **Induction Portal** is a centralized, web-based onboarding tool designed to assist new employees with IT setup procedures (VPN, MFA, Email). It features a user-friendly frontend for employees and a password-protected Admin Panel for the IT team to manage content dynamically without coding.

Current System Capabilities (v19.0)

- **Dynamic Content Management System (CMS):** Add, edit, reorder, and delete categories and steps directly from the browser.
- **Multimedia Support:** Handles images (PNG/JPG), video files (MP4/MOV), and external links (YouTube, SharePoint).
- **Deep Linking:** Supports direct navigation to specific pages via URL parameters (e.g., /?page=vpn), enabling integration with browser extensions.
- **Corporate Identity:** Customizable Home Page with company logo and welcome message.
- **Browser Extension:** Companion extension for quick access to key modules (MFA, VPN, Software Center).

Version History Log

Phase 1: Foundation (v1.0 – v5.0)

v1.0 - The Concept

- Initial prototype proposing the app structure.
- Hardcoded static text for basic tools (VPN, Outlook).

v2.0 - Streamlit Implementation

- Migration to Python Streamlit framework.
- Sidebar navigation menu implementation.
- Basic functions defined for MFA and VPN pages.

v3.0 - Asset Management

- Introduced file handling logic.
- Added support for loading local images from an `images/` directory.
- Added support for downloadable PDF guides.

v4.0 - Admin Panel Beta

- **New Feature:** Password-protected Admin area (`admin123`).
- Basic file upload capability added to the sidebar.

v5.0 - Dynamic JSON Database

- **Major Architecture Change:** Moved from static code to a `content_data.json` database.
- Content (images + text) persists across sessions.
- Introduced "Edit & Reorder" functionality (Move Up/Down/Delete).

Phase 2: Enhanced UX & Features (v6.0 – v12.0)

v6.0 - Rich Text & Formatting

- Added Markdown support for text descriptions (Bold, Lists, Links).
- Added "Formatting Tips" helper in the Admin Panel.
- Introduced "Category Descriptions" (introductory text block before steps).

v7.0 - Home Page Customization

- Added a dedicated "Home Page Settings" tab in Admin.
- Admins can upload a Company Logo and edit the Welcome Message dynamically.

v8.0 - Software Center & UI Polish

- Added specific logic for the "Software Center" category.
- Implemented custom icon rendering for specific menu items.
- **Deep Linking:** Added URL parameter logic to support the browser extension integration.

v9.0 - Dynamic Categories

- **Major Update:** Categories are no longer hardcoded in Python.
- Added "Create New Category" tab in Admin Panel.
- Added "Delete Category" functionality ("Danger Zone").
- Implemented auto-migration to convert legacy hardcoded categories to JSON.

v10.0 - Video Support (Files)

- Admin Panel updated to accept video uploads (.mp4, .mov, .avi).
- Frontend updated to auto-detect file type and render a video player instead of an image.

v11.0 - Technical Debt Clean-up

- Fixed Streamlit deprecation warnings (`use_container_width`).
- Code refactoring for stability.

v12.0 - Video Support (URLs)

- Added "Add Video Link" input in Admin Panel.
- Support for YouTube and generic video URLs alongside file uploads.

Phase 3: Enterprise Integration (v13.0 – v19.0)

v13.0 - SharePoint Embed Experiment

- Attempted to use `iframe` components for SharePoint video links.
- Detected connectivity issues due to Microsoft security headers (X-Frame-Options).

v14.0 - Secure Link Fallback

- **Smart Detection:** App detects SharePoint/Microsoft Stream links.
- Replaced broken players with a secure "Watch on SharePoint" button (external link).
- Maintains standard player for YouTube/MP4.

v15.0 - Edit Mode Enhancements

- Added "Video URL" field to the *Edit Content* section (previously only available during creation).
- Allowed retroactively adding links to existing steps.

v16.0 - Media Replacement

- Added "Replace Media (File Upload)" drag-and-drop zone in Edit Mode.
- Allows swapping an old image with a new video/image without deleting the step.

v17.0 - UI Simplification

- Cleaned up the "OR" logic in the UI.
- Both Upload and URL input methods are now displayed simultaneously for better usability.

v18.0 - Dual Media Logic

- **Logic Update:** Uploading a file no longer auto-clears the URL, and vice versa.
- Frontend updated to check for both media types.

v19.0 - Current Stable Version

- **Feature:** Simultaneous display of both Video Links (SharePoint/YouTube) AND Local Files (Images/MP4) on the same step.
- Refined "Edit Content" interface to manage both media types independently.
- Full robust error handling for missing files.