

Project 2 (Due 08/09/2024)

Personnel Management, v2.0

Objective:

Create a Human Resources management website that allows an HR manager to create and manage SailPoint Users and Application Accounts from an external portal, without logging into SailPoint itself. At a minimum, the manager should be able to create, read, update and delete both Users and their corresponding Accounts, including provisioning them from the management site in both SailPoint and the connected Application. Within SailPoint, an admin should be able to manage Entitlements and other data for those Users/Accounts. Azure Entra ID should be connected as an authoritative source, with the ability to link those Users to connected Accounts in the external Application.

Functional Requirements:

- Must be a full-stack solution consisting of:
 - Angular frontend (HTML, CSS, TS)
 - Spring Boot (Java) backend
 - MySQL database
 - SailPoint API (server) and databases
- SailPoint API and its DBs must be deployed to the Azure cloud
- Must connect to Azure Entra ID as an authoritative source
- Must connect to at least one other external application with entitlements
- Code should be available to a public GitHub repository
- Possesses all required CRUD functionality
- Handles errors, exceptions, and edge cases thoroughly/effectively

Non-Functional Requirements:

- Well-documented code
- Code upholds industry best practices and addresses security concerns
- Industry-Grade UI (User Interface)
- Intuitive UX (User Experience)

Bonus Objectives (suggestions):

- Deploy *all* services to the Azure cloud
- Flesh out the external application(s) to have actual functionality
- Add additional CRUD functionality to the full-stack app for other SP artifacts
- Include a custom plugin
- Anything you think is awesome (*once you complete the Functional Req's*)!