Project Plan
Rally OKR (Objectives and Key Results)
The Capstone Experience
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Fall 2020
Functional Specifications

• User-friendly internal web application to track OKRs
• Allows employees to see relationships between OKRs
• Employees can comment on each OKR and KR
• Removes the need for endless spreadsheets
• Each role (ex. Champion or Shepherd) has specific permissions
Design Specifications

• Each user will have a profile showing their current assignments
• Every public OKR will be visible as well as how it is connected to others
• Can see all details of the OKR and KR (ex. Health, progress, documentation)
• Users can anonymously grade an OKR
• Certain roles can edit the OKRs
• Users can comment and keep track of an OKR throughout its lifetime
Screen Mockup: Personal View
Screen Mockup: Hierarchy View
Screen Mockup: OKR Detailed View
Screen Mockup: Key Results View
Technical Specifications

• React (frontend)
  ▪ React Bootstrap
  ▪ React Router
• .NET Core API (backend)
• Auth0 for authorization
• Azure Pipelines used for CI/CD toolchain
• MySQL database hosted on AWS that contains mock employee and OKR data
• Entity Framework (ORM)
System Architecture
System Components

• Hardware Platforms
  ▪ Frontend application hosted on Netlify
  ▪ Backend API hosted on Azure
  ▪ MySQL database hosted on AWS RDS

• Software Platforms / Technologies
  ▪ Frontend utilizing React
    o Editor: Visual Studio Code
    o React-Bootstrap CSS Framework
  ▪ Backend utilizing .NET Core
    o Editor: Visual Studio
    o Entity Framework as the ORM
Risks

• Mobile Application
  ▪ Completely new client to consume API. Adds significant development time
  ▪ Create a single web-client with a satisfactory mobile layout

• Chat Feature
  ▪ Requirements were not initially well defined
  ▪ Met with client to elicit requirements for in-app chat feature

• Database Schema
  ▪ Not allowed to have access to employee database. OKR schema not immediately apparent
  ▪ Discussed custom schema with client that will be implemented after project handoff