**Uncommon Solutions**

**Group 3**

**Requirements Specification**

**UNCOMMON SOLUTIONS REQUIREMENTS SPECIFICATION**

**Prepared By**

|  |  |
| --- | --- |
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**Summary Details**

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| --- | --- |
| Participants | Name(s) |
| Project Manager: | Michael Kiefer |
| Project Team: | Hither Guzha – Technical Writer  Andrew Benson - Software Engineer  Donn Eddy - UX/HCI  Sean Mooneyham - Integration Engineer  Chase Thorpe - Test Engineer |
| End Users: | HR Departments |
| Description w/ Goal: | The purpose of this project is the implementation of an HR database and front end for personnel tracking. This document outlines the requirements for this project that must be met in order for the project to be considered a success. |

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# INTRODUCTION

## Purpose

The purpose of this document is to detail the software requirements specification of the Uncommon Solutions HR Management System. The Uncommon Solutions HR Management System is being developed using an Agile SDLC framework. Any deviations from the planned Uncommon Solutions HR Management System will be reflected by updated changes to the associated design and system management documents. This document contains the necessary details to implement the software requirements for the planned development process.

## Background

The Uncommon Solutions HR Management System will be designed in a way that makes it easy to support multiple platforms such as Windows, macOS, iOS and Android. This web-based tool provides a direct method for storing and providing access to individual personnel records, and for all processes required for HR tracking and data aggregation requirements. The HR system will be implemented using AWS Elastic Compute Cloud (EC2) and Amazon’s Relational Database Service (RDS) in order to allow for universal deployability and access.

## Scope

This document provides a clear overview of the designed software requirements for the completion of the Uncommon Solutions HR Management System. Specific system requirements for development and deployment are covered within the System Specification accompanying this document.

## Assumptions

The following assumptions are relevant to the design of the proposed system:

* The proposed new system will leverage the Uncommon Solutions HR architecture.
* The existing architecture and system design will be used including all existing components and sub-systems.
* It is assumed that additional functionality will be added to the proposed solution as required during development and testing.

## Constraints

* There are no hardware or software technical constraints identified with this project.
* System interoperability may be a constraint since the design will leverage free tier AWS EC2 instance and RDS with the potential to expand to paid utilization at a larger-scale fielding.

# Software Requirements

## Requirements Overview

The contents of the first section.

## Product Features

The contents of the second section.

## User Classes and Characteristics

The contents of the third section, and so on.

## Design and Implementation Constraints

The contents of the first section.

## Assumptions and Dependencies

The contents of the second section.

## User Interfaces

The contents of the third section, and so on.

## Software Quality Attributes

All software design will adhere to industry standards for modularity, programming structure, algorithm efficiency, object-oriented design and clear and understandable in-source documentation (commenting). Known security vulnerabilities will be protected against and the software will be built in such a way as to ensure that future optimizations, security fixes, and expansions will be able to be implemented without additional effort to understand existing source code.

# APPROVALS

I have read the above Software Development progress report and agree that it is an accurate summary of software development efforts to date. I will continue to execute my proscribed tasks for each phase of development and pledge my full commitment and support for the Development Effort.

Sign-off Sheet

**Prepared by** \_\_\_Michael Kiefer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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