**Uncommon Solutions**

**Group 3**

**Development Progress Report**

**Phase 1**

**UNCOMMON SOLUTIONS PHASE 1**

**Prepared By**

|  |  |
| --- | --- |
| Document Owner(s) | Project Role |
| Michael Kiefer | Project Manager |

**Requirements Version Control**

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Author | Change Description |
| 1.0 | 11/23/2019 | Michael Kiefer | Document creation |

**Summary Details**

|  |  |
| --- | --- |
| 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 is to detail the design and architecture of the Uncommon Solutions Application. |

[INTRODUCTION 4](#_Toc24810567)

[1.1 Purpose 4](#_Toc24810568)

[1.2 Background 4](#_Toc24810569)

[1.3 Scope 4](#_Toc24810570)

[1.4 Assumptions 4](#_Toc24810571)

[1.5 Constraints 4](#_Toc24810572)

[1.6 Risks 4](#_Toc24810573)

[1.7 Design Considerations 4](#_Toc24810574)

[2 SYSTEM OVERVIEW 5](#_Toc24810575)

[2.1 System Design 5](#_Toc24810576)

[3 SYSTEM ARCHITECTURE DESIGN 6](#_Toc24810577)

[3.1 Database Design 6](#_Toc24810578)

[3.2 Class Design 6](#_Toc24810579)

[3.3 User Interface 6](#_Toc24810580)

[4 SYSTEM INTERGRITY CONTROLS 7](#_Toc24810581)

[5 APPROVALS 9](#_Toc24810582)

# 

# INTRODUCTION

## Purpose

The purpose of this document is to detail the implementation process of the Uncommon Solutions HR Management System. The Uncommon Solutions HR Management software 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 information required to effectively capture the development efforts of the team.

## 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 describes the development progress of the Uncommon Solutions HR Management System during each of the phases. This is a living document and will be updated as changes are made to the HR Management Systems design.

## Phases

The planned implementation of this project is broken down into three phases as follows:

1. Phase 1 consists of the creation of the database structure for information storage and the generation of the UI panels.
2. Phase 2 will consist of the functionality behind the login screen to include session management for the program. Additionally, user administration function to allow for management of user accounts will be implemented in this phase.
3. Phase 3 will consist of the data management functionality associated with this HR management system for the entry, modification, and management of the personnel information for the company.

## Schedule

The phased development schedule is a three-week process running from 18 November 2019 to 8 December 2019. There is an additional one-week flex time to allow for any schedule overruns and to allow for additional functionality to be added if time allows. This flex week runs from 9-15 December 2019.

## Design Considerations

The design for this program is as described in the Uncommon Solutions HR Management System Design Document. Any design variations will be validated by all members of the development team and incorporated into all design documentation to ensure that the entire development process is captured in documentation.

# PHASE 1

## Development Progress

Summary of development efforts…

## Database Development

Summary of database development efforts…

## Program Development

Summary of program development efforts…

## Milestone Evaluation

Evaluation of milestone completion effectiveness…

# PHASE 2

## Development Progress

Summary of development efforts…

## Database Development

Summary of database development efforts…

## Program Development

Summary of program development efforts…

## Milestone Evaluation

Evaluation of milestone completion effectiveness…

# PHASE 3

## Development Progress

Summary of development efforts…

## Database Development

Summary of database development efforts…

## Program Development

Summary of program development efforts…

## Milestone Evaluation

Evaluation of milestone completion effectiveness…

# APPROVALS

I have read the above Project Plan and will abide by its terms and conditions and pledge my full commitment and support for the Project Plan.

Sign-off Sheet

**Prepared by** \_\_\_Hither Guzha\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Technical Writer – Hither Guzha

**Approved by**\_\_\_Michael Kiefer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Project Manager– Michael Kiefer

**Approved by**\_\_\_Andrew Benson\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Project Team Member– Andrew Benson

**Approved by**\_\_\_Donn Eddy\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Project Team Member– Donn Eddy

**Approved by**\_\_\_Sean Mooneyham\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Project Team Member– Sean Mooneyham

**Approved by**\_\_\_Chase Thorpe\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Project Team Member– Chase Thorpe