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| Enterprise Tracking Application |
| Software Project Management Plan |
| Prepared For: Perspecta  Location: Austin, TX |
| Date: 8/25/2020  Revised: 8/25/2020 |
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# Abstract

This document serves as the project plan for the Enterprise Tracking Application that is being developed by the University of Texas at Dallas project team for Perspecta Inc.

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# 1. Introduction

### 1.1 Plan Overview

The project team from the University of Texas at Dallas has been tasked with developing an Enterprise Tracking Application featuring the following items for Perspecta Inc.

* User interface for tracking application integrations.
* Backend data store for storing data related to tracking of application integrations.
* Data accessors for backend data store.
* Solution packaging and testing.
* Solution documentation.

### 1.2 Plan Purpose

The purpose of this Software Project Management Plan is to gather all information necessary to control the project. It describes the approach to the development of the software and is the top-level plan generated and used by the project team lead to direct the development effort.

### 1.3 Plan Scope

The Software Project Management Plan describes the overall plan to be used by the Enterprise Tracking Application project, including testing and demonstration of the product. The details of the individual iterations will be described in the subsequent sections of this document.

### 1.4 Project Overview

TBD. brief overview of the product (including purpose, capabilities, scenarios for using the product, etc).

### 1.5 Project Structure

TBD.

# 2. Project Organization

### 2.1 Organizational Structure

Project Team Lead

The project team lead is responsible for tracking the team’s progress in accordance with the project schedule. The project team lead is also responsible for submitting all of the necessary deliverables to the teaching assistant by the required deadlines. The project team lead’s main goal is to make sure that the project is successful. They also communicate with the project sponsor to assure that the project goals are being met.

Software Architects

The software architects are responsible for creating the architecture for a system that will best suit the project needs. The architecture that they choose should be able to also meet project sponsor requirements and meet the project goals.

Software Developers

The software developers are responsible for developing the functionality we have stated in our requirements as well as integrate the corresponding technology to ensure that the application can carry out end-to-end tasks.

Database Developers

The database developers are responsible for implementing the database functionality that will be necessary to carry out the end-to-end tasks of the application.

Software Testers

The software testers are responsible for testing the application to ensure that it follows the quality that we promise to deliver to our project sponsor as well as carry out the functionality that we stated in our requirements.

### 2.3 Project Team

|  |  |  |
| --- | --- | --- |
| Name | Email | Phone |
| Angeleen Abesamis | axa180073@utdallas.edu | (469) 360-2966 |
| Remnin Ferrer | rxf170530@utdallas.edu | (281) 763-1227 |
| James Fritz | jkf150030@utdallas.edu | (513) 226-2301 |
| Yeremy Joseph | cwj180001@utdallas.edu | (832) 671-8286 |
| Eric Leon | eal180003@utdallas.edu | (469) 230-3858 |

### 2.3 Team Roles

|  |  |
| --- | --- |
| Name | Team Roles |
| James Fritz | Project Team Lead  Software Architect  Software Developer  Database Developer  Software Tester |
| Angeleen Abesamis  Remnin Ferrer  Yeremy Joseph  Eric Leon | Software Architect  Software Developer  Database Developer  Software Tester |

# 3. Lifecycle Model

### 3.1 Lifecycle Model Description

Revised waterfall model.

### 3.2 Lifecycle Model Rationale

TBD.

# 4. Risk Analysis

### 4.1 Project Risks

The possible project risks, the likelihood of these risks arising, and proposed risk reduction strategies can be found in the following table.

|  |  |  |
| --- | --- | --- |
| Probability (L/M/H) | Risk Description and Impact | Mitigation Strategy and/or Contingency Plan |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

# 5. Hardware and Software Resource Requirements

### 5.1 Required Hardware

* Windows PC
* Wireless Connection

### 5.2 Required Software

* Windows Operating System
* Eclipse IDE
* Java Development Kit
* Microsoft SQL – Developer Edition
* Spring Boot Framework
* JavaScript Framework

# 6. Deliverables and Schedule

### 6.1 Project Deliverables

The following project deliverables are to be delivered to Perspecta, Inc.

* Project Plan
* Requirements
* Logical Architecture Diagram
* Physical Architecture Diagram
* Test Plan
* Final Report and Demonstration

### 6.2 Project Schedule

The project team will meet with Dave Gibson from Perspecta Inc. (team sponsor) on Fridays from 3 p.m. to 5 p.m. through November 20th. Meetings with the team sponsor will take place on Skype.

The following milestones (deliverables) are to be delivered to the teaching assistant on their corresponding dates.

|  |  |  |
| --- | --- | --- |
| Milestone | Description | Date |
| Project Management Plan |  | 9/09/20 |
| Requirements Document |  | 9/18/20 |
| Architecture Document |  | 10/02/20 |
| Detailed Design Document |  | 10/16/20 |
| Testing Plan |  | 11/06/20 |
| Final Project Report |  | 11/25/20 |
| Final Project Demo |  | 11/25/20 |

# 7. Monitoring, Reporting, and Controlling Mechanisms

### 7.1 Management Reports

TBD.

### 7.2 Project Monitoring

TBD.

### 7.3 Project Control Mechanisms

TBD.

# 8. Professional Standards

### 8.1 Member Expectations

TBD.

# 9. References

TBD. Utilize IEEE formatting standard for citations.

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