Technical Specification Document

Document Control Guidelines

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# Introduction

An application to connect the oracle database (express edition), read files from directory and save into oracle data table. Project is divided into three parts.

1 – Web API / Backend

2 – Web MVC / Frontend

3 – Worker service / Background worker

# Requirements

1. **Develop .net web API with following functionalities:-**

· Look to the specific path for txt file

· Upload .txt file to the oracle table along with file name, created date and time as per the attached file

· Verify file type which to accept.txt only. Error message to be displayed if file format is not .txt

· Process file content in the DB by inserting each line in another oracle table

· Log status for each function performed in a log file

2. **Develop .net service which will do the following:-**

a. Call the above .net web API every x minutes (for example 1 minute) and perform its functionalities.

3. **Develop ASP.net web page with following functionalities:**

a. Display the processing of the .net web API log file

b. Refresh page every x minutes (for example 1 minute)

c. Web page should use bootstrap

# Solution

Solution developed in .NET 6 with Oracle database for storing data.

# Database (Oracle)

Application is connect with the Oracle Database Express Edition (XE) using Oracle.ManagedDataAccess.Core library.

All the script are attached with solution repository. DB scri