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| **PROJECT NAME** | CLMS |

| Version Number | Change Request No | Affected system | Date | Author/Owner | Developer  Name | Description of Change | Implemented Objects (DB) |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1.0 | CR191139 | - | 07/10/2019 |  | Abdelsalam Mustafa | New |  |
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| **PROJECT** |
| **OVERVIEW | *high-level information describing proposed solution and business reasoning*** |
| Application to store daily requests for outsourcing labors devided through shifts, and also the monthly requests.  User can use this application to store all the employee data, and also record the violations if it happens. |
| **OBJECTIVE | what *does the project work to achieve?*** |
| The data is stored through the Database so it'll be easily retrieved over time. |
| **BUSINESS CASE | what *is the problem being solved? Who / what is impacted? What are the business benefits?*** |
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| **RISKS | what *are the identified or considered risks?*** |
| Data loss which is handled using backups. |
| **OUT OF SCOPE | what *activities, items, and capabilities are out of scope for the project?*** |
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| **SERVER REQUESTS** |
| **List required server needs, file names, or attached completed request forms.** |
| * Server:   + 2 Servers with latest version of .NET framework and latest version of ORACLE client. Load balancer concept need to be implemented to handle the server failure. |
| **ACCESS REQUIREMENTS** |
| **Define number of users requiring simultaneous access, and list user communities (developers, IT, vendors, etc.).** |
| Selected user from selected departments such as (Operations, Technical, Administration …etc.) |
| **DATABASES** |
| **Describe each database required and its function. Include database version required, Oracle or SQL server, memory requirements, CPU requirements, storage amount needed in first year in GB, projected annual growth in % or GB, expected transaction volume, special data preservation requirements, and tech spec data sheet if available.** |
| * Operating System: Windows Server 2012 R2 Standard. * Processor: Intel® Xeon® CPU E5-2690 v4 @ 2.60 GHz (4 Processors) * RAM: 32.0 GB * DB Client: ORACLE 12 - 4.122.1.0 * .NET Framework: 4.5.2 or greater. |

**Old Source Code:**

**New Source Code:**

1. **Request Order**

Order requests for daily basis or monthly (more than 1 day) basis for outsources companies.



1. **Employee Entry**

Enter all the related data for new employees and also update the exising employees.



1. **Employee Inquiry**

Inquire about stored employees and retrieving all related information such as personal infos, qualifications, trainings and violations.



1. **Violations**

Record violations for employees such as safety violations and behavioural violations.



1. **Application Admin**

Insert all data that will be used inside the application such as companies, job titles, and lookups.



And also recording the trainings for each employee.



1. **IT Admin**

Create and modify users and also set roles for the application.



1. **Job Rate**

Create and modify rate for job titles.



1. **Project Classes**

Classes for the project.



In Database:

***CLMS scheme on CLMS DB***

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**SOFTWARE DEVELOPMENT FOLDER CHECK-OFF SHEET**

**Requirements**

* Has each requirement in the functional requirements document allocated to this unit been identified using the trace ability matrix?
* Have derived requirements found during the development of this unit been identified, justified, and put in the functional requirements document?

**Functionality**

* Is the functionality of this unit fully described?
* Is the description in narrative form?
* Was a design walk-through conducted?
* Was permission granted to begin programming?

**Source Code**

* Is the source code listing of the unit included in this folder?

**Libraries, Directories, and Tables**

* Are all coded entities included in the folder?

**Development Methodologies**

* Are all development methodologies for the development effort described in the folder?

**Test Data**

* Are all data necessary to conduct testing referenced in this folder?

**Test Analysis**

* Was the unit thoroughly tested and were all logical paths verified’?

**System Developer**

I certify that this software development document is complete, the unit **CLMS** defined in this folder has successfully completed development and unit testing, and the unit is ready to be base lined and integrated into the system

Date: 07/10/2019 System Developer: Abdelsalam Mustafa

System Technical Lead Initials: Eng. Hamdy Hafez