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|  | **<Project Name>**  **Technical Design Document** |
| |  |  |  |  | | --- | --- | --- | --- | |  | **Prepared By / Last Updated By** | **Reviewed By** | **Approved By** | | **Name** |  |  |  | | **Role** |  |  |  | | **Signature** |  |  |  | | **Date** |  |  |  | |
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# Introduction

## Purpose of this document

The purpose of this document is to document the technical design, component details and Database design. This will also capture the scope, assumptions, risk, dependencies of this project.

## Project overview

*<This sub-section shall state the overview of the project >*

# Solution Summary

## Scope

|  |  |  |  |
| --- | --- | --- | --- |
| **User Story Id** | **User Story Name** | **User Story Role** | **User Story Details** |
| US\_1 | User Registration and Login | Employee | Ability of the system to procure the fundamental details of the user |
| US\_2 | User Authentication | Employee | Ability of the system to authenticate the credentials of the registered Employee |
| US\_3 | Admin Registration and Login | Admin | Ability of the system to procure the fundamental details of the Admin |
| US\_4 | Admin Authentication | Admin | Ability of the system to authenticate the credentials of the registered Admin |
| US\_5 | Add Course content | Admin | Ability of the system to allow admin to add the course content |
| US\_6 | Add questions and answers | Admin | Ability of the system to allow admin to add the questions and answers. |
| US\_7 | Update Course Content | Admin | Ability of the system to allow admin to update the course content available in the system |
| US\_8 | Update questions and answers | Admin | Ability of the system to allow admin to update the questions and answers available in the database. |
| US\_9 | Add skills and map course | Admin | Ability of the system to allow admin to add the skills and map the available courses to the skills. |
| US\_10 | Skill / Course selection | Employee | Ability of the system to select the skills based on the employee’s interest. |
| US\_11 | Launch Learning | Employee | Ability of the system to allow the user to launch the e-learning procedure. |
| US\_12 | Assessment | Employee | Ability of the system to allow learners to take skill based assessment. |
| US\_22 | User logoff | Employee/Admin | Ability of the system to allow the user to logoff |

## Assumptions

*<This sub-section shall state the assumptions of this detailed design document>*

## Dependencies

*<This sub-section shall state the dependencies for this project>*

## Risks

*<This sub-section shall state the risks predicted for this project>*

# Schematic Diagram

A schematic, or schematic diagram, is a representation of the elements of a [system](https://en.wikipedia.org/wiki/System) using abstract, graphic [symbols](https://en.wikipedia.org/wiki/Symbol) rather than realistic pictures. It gives an overview of overall system

# System Design

## Proposed design

* *Tech stack*
* *Spring boot*
* *JDK 8*
* *Jsp, Bootstrap CSS*
* *Maven*
* *Junit*
* *MySQL*
* *SpringJDBC Template*

## Component inventory

*The list of components are:*

* *User registration and login*
* *User Authentication*
* *Admin Registration and login*
* *Admin Authentication*
* *Add course content*
* *Add Question and answers*
* *Add skills and map course*
* *Launch Learning*
* *Assessment*
* *Maintain attempt history*
* *User report*
* *User feedback*
* *Feedback Report*
* *Question Blueprint*
* *Other validations*
* *User logoff.*

# 

# Database Design

## Data Model

*<This sub section will give the schematic view of the database design>*

## 

## Tables Structure

*<This sub section will describe the table structure>*

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Length** | **Nulls** |
|  |  |  |  |

# 

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Length** | **Nulls** |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Length** | **Nulls** |
|  |  |  |  |

# Appendices

## Glossary

|  |  |
| --- | --- |
| **Acronyms** | **Definitions** |
|  |  |

## Other

# Terms & Conditions

***Disclaimer: Please do not circulate or distribute this document outside of Cognizant Network, We have a Zero Tolerance Policy. Kindly adhere to 100% Compliance at all times.***

# Change Log

*Please note that this table needs to be maintained even if a Configuration Management tool is used.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Version Number | Changes made | | | |
| V<n.n> | *<If the change details are not explicitly documented in the table below, reference should be provided here>* | | | |
| Page no | Changed by | Effective date | Changes effected |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |