User Requirements Specification

For

Admin

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Prepared by/ Modified by | | Role | | Date of preparation |
| Manish Rahangdale | |  | | 13th November 2018 |
| Reviewed by | | Role | | Date of Review |
|  | |  | | 13th November 2018 |
| Approved by | | Role | | Date of Approval |
|  | |  | |  |
| Circulation List | To all the ELTP mentors and the applicable trainee teams | | Version number of the template | **1.11** |
| Version number of the work product | V1.0 | | | |

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# Requirement providers

|  |  |  |
| --- | --- | --- |
| Name | Designation | Role |
| Chennai ELTP Mentor Team | Project Mentor | Project Mentor |

# 

# Scope

## Environment Specification

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Environment** | **Technology** | **Platform** | **Tools** | **Middleware** | **database** |
| Development | DotNet | ASP.NET with MVC | Microsoft Visual Studio.net | DotNet | SQL Server |
| Testing | NA | NA | NA | NA | NA |
| Production | DotNet | ASP.NET with MVC | Microsoft Visual Studio.net | DotNet | SQL Server |

## Customer ctqs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CTQ** | **Importance**  (1 – Lowest; 10 – Highest) | **Measurement** | **Target** | **Tolerance** |
| Performance requirements | 8 | No. of seconds taken to upload details to DB | 25 seconds | 30 seconds |
| Performance requirements | 8 | No. of seconds taken to retrieve details from the DB (during search) | 5 seconds | 7 seconds |
| Look and feel | 10 | Pagination should be implemented | NA | NA |

## Functional Requirements

### User Interface specification

* User having a valid user ID and password can only access the system
* Records are to be displayed in a tabular format
* Display should be limited to 10 records per page
* Confirmation messages are to be provided on every successful operation
* Error message to be provided on every failure operation
* Details of an User, Civil Status, Projects, Skills, Category should be displayed in a single page if required
* Easy to use provisions (like previous, next, first, last) should be provided to navigate between records
* Modification of any record should be possible if valid data is given.
* Navigate to home page at any point of time
* Navigate to any page of functionality (User, Civil Status, Projects, Skills, Category) at any point of time.
* Logoff from the application at any point of time
* Insert individual User, Civil Status, Projects, Skills, Category, following all the rules of validation

### Database specification

### Back End Tool**:**

#### SqlServer 2012 and above

* + Database Fields**:**

First Name

Alphabets only

Last Name

Alphabets only

Civil status Description

Alphabets only

Skills Description

Alphabets only

Category Description

Alphabets only

Project Description

Alphabets only

Project Start date

Format should be (DD/MM/YYYY)

Project End date

Format should be (DD/MM/YYYY)

### Business Logic specification

* UserID and password should be validated to provide access to the application
* In every page display the User Name
* As of now this system only has one role, which has all the permissions. User role not considered now
* Users of the system MUST exist beforehand
* First and last names should be alphabets only and cannot be empty.
* Project Start Date and End Date should be in the format
  + - * + DD-MM-YYYY - cannot be empty

Should be able to accept multiple choices

Marital Status

Should be able to accept multiple choices

* Operational Scenarios

### Input specification

* + 1. Enter User Name and password
    2. Enter valid Details while signup or inserting any data while performing Add or Update operations.

### Output specification

1. User viewing / modifying records:

Data type : Strings

Source : SQL SERVER database

Frequency : 10 records per page

## Limitations In Functionality And Features

### BUSINESS

The limitations are:

* + - * As of now System has only one type of role - Admin users.

### TECHNOLOGY

### ACCEPTABLE TRADEOFFS

## Non-functional requirements

### Testing requirements

* Internet Explorer 5.0 version to be used as browser.
* Testing requires sample test data from the user or developer

### Documentation requirements

* A brief document regarding the usage and constraints of the application should be provided to the customer during delivery

### Abnormality/error processing requirements

* + If a wrong login credentials are given as input the user is prompted to enter a valid credentials
* If valid data is not given while the user is trying to update a record, an alert message like Record is not inserted”. Should be displayed
* While inserting a new User, Civil Status, Projects, Skills, Category display the appropriate message and if any if it does not match the business rules ,prompt the appropriate error message to the user

# ASSUMPTIONS

* It is assumed that the userID and password are already available in the database, pre-populated
* Once the record is modified, the details present in the record before modification is not needed by the user again.

# REFERENCES

# ACRONYMS

# Revision History

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Date** | **Version #** | **Section / Page # changed** | **Details of changes made** |
| **1** | 09-Nov-2018 | V1.0 | **Entire Document** | **Approved version of the URS** |
| **2** | 12-Nov-2018 | V1.1 | **Cover Page** | **Modified Name and Reviewer name changed** |
| **3** | 13-Nov-2018 |  | **2.3.1** | **Added insertion of record (add Module)** |
|  |  |  | **2.3.3** | **User Name to be displayed at each and every page** |
|  |  |  |  | **Salary has to be validated against Grade** |
|  |  |  | **2.4.1** | **Added the business constraint**  **System has only one type of role and Designation is not been validated** |
|  |  |  | **2.3.2 and 2.3.3** | **Widow/Widower has been replaced with Widowed so as to have a common reference for all genders** |