**System Design Specification**



**BCD Carpentry Project**

**BCD1-0117**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Description of Change** | **Author** | **Date** |
| 1.0 | Initial | Tao Sun | 24/04/2017 |
|  |  |  |  |
|  |  |  |  |

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# Introduction

This System Design Document has been created to outline the proposed system design for Human Resource Management System (HRMS) of BCD Carpentry Ltd. The HRMS is intended to store and process the information of human resource which is managed by using Microsoft Word and Microsoft Excel spreadsheet currently. This brand-new information system will simplify the administrator’s operation and relieve her workload greatly.

The purpose of this System Design Document is to provide a description for how the new HRMS will be constructed. The Systems Design Document was created to ensure that the system design meets the requirements specified in the project requirements documentation. This document provides a description of the system architecture, software, hardware, database design, and detailed functions.

# Reference

* Requirement\_List\_BCD1-0117\_BCDCarpentryProject.docx
* Requirement\_Specification\_BCD1-0117\_BCDCarpentryProject.docx
* ConceptualModel\_BCD1-0117\_BCDCarpentryProject.vpp
* LogicalModel\_BCD1-0117\_BCDCarpentryProject.vpp
* PhysicalModel\_BCD1-0117\_BCDCarpentryProject.vpp

# Audience

* Project sub-committee
* Project coordinator
* Project supervisor
* Project team
* Client
* Anybody else who care about this project in Faculty of Business and Information Technology.

# System Architecture

# Physical architecture



# Logical architecture



# Database Design

# ERD Diagram



# Detailed Tables

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **TAX\_REPORT** | | | | | | | |
| **No.** | **Name** | **Type** | **Length** | **Check Constraint** | **Primary** | **Nullable** | **Unique** |
| 1 | SeqNumber | int | 0 |  | No | No | No |
| 2 | Forename | varchar | 50 |  | No | Yes | No |
| 3 | Surname | varchar | 50 |  | No | Yes | No |
| 4 | IRDNumber | varchar | 20 |  | No | Yes | No |
| 5 | TaxRate | int | 0 |  | No | Yes | No |
| 6 | WeekEndingDate | varchar | 12 |  | No | Yes | No |
| 7 | Wage | money | 0 |  | No | Yes | No |
| 8 | Tax | money | 0 |  | No | Yes | No |
| 9 | GST | money | 0 |  | No | Yes | No |
| 10 | Deduction | money | 0 |  | No | Yes | No |
| 11 | Note | money | 0 |  | No | Yes | No |
| **TAX** | | | | | | | |
| **No.** | **Name** | **Type** | **Length** | **Check Constraint** | **Primary** | **Nullable** | **Unique** |
| 1 | EmployeeID | int | 10 |  | Yes | No | No |
| 2 | WeekEndingDate | date | 0 |  | Yes | No | No |
| 3 | Category | int | 0 | ${name} in (1,2,3,4) | Yes | No | No |
| 4 | Amount | money | 0 |  | No | Yes | No |
| 5 | Note | varchar | 255 |  | No | Yes | No |
| **SYS\_PARAMETERS** | | | | | | | |
| **No.** | **Name** | **Type** | **Length** | **Check Constraint** | **Primary** | **Nullable** | **Unique** |
| 1 | ID | varchar | 20 |  | Yes | No | No |
| 2 | Value | varchar | 60 |  | No | No | No |
| 3 | Description | varchar | 255 |  | No | Yes | No |
| **LOGTBL** | | | | | | | |
| **No.** | **Name** | **Type** | **Length** | **Check Constraint** | **Primary** | **Nullable** | **Unique** |
| 1 | LogTime | datetime | 0 |  | No | No | No |
| 2 | ErrFile | varchar | 128 |  | No | Yes | No |
| 3 | ErrLine | int | 0 |  | No | Yes | No |
| 4 | ErrMsg | nvarchar | 4000 |  | No | Yes | No |
| **TIME\_SHEET** | | | | | | | |
| **No.** | **Name** | **Type** | **Length** | **Check Constraint** | **Primary** | **Nullable** | **Unique** |
| 1 | SheetID | int | 0 |  | Yes | No | No |
| 2 | EmployeeID | int | 10 |  | No | No | No |
| 3 | WorkEndingDate | date | 0 |  | No | No | No |
| 4 | MainContractor | varchar | 60 |  | No | No | No |
| 5 | JobName | varchar | 60 |  | No | No | No |
| 6 | Date | date | 0 |  | No | No | No |
| 7 | Description | varchar | 255 |  | No | No | No |
| 8 | StartTime | time | 7 |  | No | No | No |
| 9 | EndTime | time | 7 |  | No | No | No |
| 10 | Hours | float | 10 | ${name} >= 0.00 | No | No | No |
| **EMPLOYEE\_HISTORY** | | | | | | | |
| **No.** | **Name** | **Type** | **Length** | **Check Constraint** | **Primary** | **Nullable** | **Unique** |
| 1 | EmployeeID | int | 10 |  | No | No | No |
| 2 | Position | varchar | 10 |  | No | No | No |
| 3 | OtherPostions | varchar | 128 |  | No | Yes | No |
| 4 | Forname | varchar | 50 |  | No | No | No |
| 5 | Surname | varchar | 50 |  | No | No | No |
| 6 | HomeNumber | varchar | 20 |  | No | Yes | No |
| 7 | MobileNumber | varchar | 20 |  | No | No | No |
| 8 | Email | varchar | 100 |  | No | No | No |
| 9 | DOB | date | 0 |  | No | No | No |
| 10 | KinName | varchar | 100 |  | No | Yes | No |
| 11 | KinNumber | varchar | 20 |  | No | Yes | No |
| 12 | BankName | varchar | 30 |  | No | No | No |
| 13 | AccountNumber | varchar | 30 |  | No | No | No |
| 14 | IRDNumber | varchar | 20 |  | No | No | No |
| 15 | PayRate | int | 10 | ${name} > 0 | No | No | No |
| 16 | TaxRate | int | 10 |  | No | No | No |
| 17 | DriverLicenseNumber | varchar | 30 |  | No | Yes | No |
| 18 | DriverLicenseClass | varchar | 10 |  | No | Yes | No |
| 19 | DriverLicenseExpiryDate | date | 0 |  | No | Yes | No |
| 20 | DriverLicensePhoto | varchar | 100 |  | No | Yes | No |
| 21 | SiteSafeNumber | varchar | 50 |  | No | Yes | No |
| 22 | SiteSafeExpiryDate | date | 0 |  | No | Yes | No |
| 23 | SiteSafePhoto | varchar | 255 |  | No | Yes | No |
| 24 | HireDate | date | 0 |  | No | No | No |
| 25 | ResignDate | date | 0 |  | No | Yes | No |
| 26 | YearsInBCD | int | 10 |  | No | No | No |
| 27 | YearsInIndustry | int | 10 |  | No | No | No |
| 28 | Country | varchar | 30 |  | No | No | No |
| 29 | City | varchar | 30 |  | No | No | No |
| 30 | Suburb | varchar | 30 |  | No | Yes | No |
| 31 | Street | varchar | 100 |  | No | No | No |
| 32 | PostCode | varchar | 10 |  | No | Yes | No |
| 33 | Note | varchar | 255 |  | No | Yes | No |
| 34 | ModTime | datetime | 0 |  | No | No | No |
| **VEHICLE** | | | | | | | |
| **No.** | **Name** | **Type** | **Length** | **Check Constraint** | **Primary** | **Nullable** | **Unique** |
| 1 | RegisterNumber | varchar | 10 |  | Yes | No | No |
| 2 | SaleAgreement | int | 0 | ${name} in (0,1) | No | No | No |
| 3 | OwnershipChanged | int | 0 | ${name} in (0,1) | No | No | No |
| 4 | Insured | int | 0 | ${name} in (0,1) | No | No | No |
| 5 | WOFDueDate | date | 0 |  | No | No | No |
| 6 | ServiceDue | int | 10 |  | No | No | No |
| 7 | REGODueDate | date | 0 |  | No | No | No |
| 8 | FuelCardNumber | varchar | 30 |  | No | Yes | No |
| 9 | GPSInstalled | int | 0 | ${name} in (0,1) | No | No | No |
| 10 | GPSSerialNumber | varchar | 60 |  | No | Yes | No |
| 11 | SimCardNumber | varchar | 60 |  | No | Yes | No |
| **TOOL\_TRAINING** | | | | | | | |
| **No.** | **Name** | **Type** | **Length** | **Check Constraint** | **Primary** | **Nullable** | **Unique** |
| 1 | TrainID | int | 0 |  | No | No | No |
| 2 | EmployeeID | int | 10 |  | No | No | Yes |
| 3 | Date | date | 0 |  | No | No | Yes |
| 4 | TrainingType | int | 0 | ${name} in (1,2,3) | No | No | Yes |
| **TOOL\_LIST** | | | | | | | |
| **No.** | **Name** | **Type** | **Length** | **Check Constraint** | **Primary** | **Nullable** | **Unique** |
| 1 | EmployeeID | int | 10 |  | Yes | No | No |
| 2 | ToolName | varchar | 60 |  | Yes | No | No |
| 3 | RRP | money | 0 |  | No | Yes | No |
| 4 | OnSite | char | 1 | ${name} in ('Y','N') | No | No | No |
| 5 | Need | char | 1 | ${name} in ('Y','N') | No | No | No |
| 6 | Competent | char | 1 | ${name} in ('Y','N') | No | No | No |
| 7 | RequireTraining | char | 1 | ${name} in ('Y','N') | No | No | No |
| **POSITION** | | | | | | | |
| **No.** | **Name** | **Type** | **Length** | **Check Constraint** | **Primary** | **Nullable** | **Unique** |
| 1 | PositionName | varchar | 10 |  | Yes | No | No |
| 2 | Description | varchar | 120 |  | No | Yes | No |
| **TOOL\_CATEGORY** | | | | | | | |
| **No.** | **Name** | **Type** | **Length** | **Check Constraint** | **Primary** | **Nullable** | **Unique** |
| 1 | ToolName | varchar | 60 |  | Yes | No | No |
| 2 | Descriptiion | varchar | 120 |  | No | Yes | No |
| **CERTIFICATION** | | | | | | | |
| **No.** | **Name** | **Type** | **Length** | **Check Constraint** | **Primary** | **Nullable** | **Unique** |
| 1 | EmployeeID | int | 10 |  | Yes | No | No |
| 2 | CopyFlag | char | 1 | ${name} in ('Y','N') | No | No | No |
| 3 | LBP | char | 1 | ${name} in ('Y','N') | No | No | No |
| 4 | Expiry | date | 0 |  | No | Yes | No |
| 5 | BCITONumber | varchar | 50 |  | No | Yes | No |
| 6 | NZQANumber | varchar | 50 |  | No | Yes | No |
| 7 | FirstAid | char | 1 | ${name} in ('Y','N') | No | No | No |
| 8 | FallArrest | char | 1 | ${name} in ('Y','N') | No | No | No |
| 9 | ConfindSpaces | char | 1 | ${name} in ('Y','N') | No | Yes | No |
| 10 | Ramset | char | 1 | ${name} in ('Y','N') | No | No | No |
| 11 | HILTI | char | 1 | ${name} in ('Y','N') | No | No | No |
| 12 | LowScaff | char | 1 | ${name} in ('Y','N') | No | No | No |
| 13 | WTR | char | 1 | ${name} in ('Y','N') | No | No | No |
| 14 | EWP | char | 1 | ${name} in ('Y','N') | No | No | No |
| 15 | HIAB | char | 1 | ${name} in ('Y','N') | No | No | No |
| 16 | HT123 | char | 1 | ${name} in ('Y','N') | No | No | No |
| 17 | Dog | char | 1 | ${name} in ('Y','N') | No | No | No |
| 18 | Crane | char | 1 | ${name} in ('Y','N') | No | No | No |
| 19 | Chainsaw | char | 1 | ${name} in ('Y','N') | No | No | No |
| **COMPETENCY** | | | | | | | |
| **No.** | **Name** | **Type** | **Length** | **Check Constraint** | **Primary** | **Nullable** | **Unique** |
| 1 | EmployeeID | int | 10 |  | Yes | No | No |
| 2 | Date | date | 0 |  | Yes | No | No |
| 3 | GeneralCompetency | varchar | 7 | ${name} in ('LOW','AVERAGE','HIGH') | No | No | No |
| 4 | ToolCompetency | varchar | 7 | ${name} in ('LOW','AVERAGE','HIGH') | No | No | No |
| **WAGE** | | | | | | | |
| **No.** | **Name** | **Type** | **Length** | **Check Constraint** | **Primary** | **Nullable** | **Unique** |
| 1 | EmployeeID | int | 10 |  | Yes | No | No |
| 2 | WeekEndingDate | date | 0 |  | Yes | No | No |
| 3 | Amount | money | 0 | ${name} >= 0.00 | No | No | No |
| 4 | Travel | money | 0 | ${name} >= 0.00 | No | No | No |
| 5 | Deduction | money | 0 | ${name} >= 0.00 | No | No | No |
| 6 | GST | money | 0 | ${name} >= 0.00 | No | No | No |
| 7 | WINZ | money | 0 | ${name} >= 0.00 | No | No | No |
| 8 | IRD | money | 0 | ${name} >= 0.00 | No | No | No |
| **TOOL\_USER\_EGISTER** | | | | | | | |
| **No.** | **Name** | **Type** | **Length** | **Check Constraint** | **Primary** | **Nullable** | **Unique** |
| 1 | RegisterID | int | 0 |  | Yes | Yes | No |
| 2 | EmployeeID | int | 10 |  | No | No | No |
| 3 | ToolName | varchar | 60 |  | No | No | No |
| 4 | ToolNumber | varchar | 20 |  | No | No | No |
| 5 | Date | date | 0 |  | No | No | No |
| 6 | InOut | char | 1 | ${name} in ('I','O') | No | No | No |
| 7 | Comment | varchar | 120 |  | No | Yes | No |
| **ATTENDANCE** | | | | | | | |
| **No.** | **Name** | **Type** | **Length** | **Check Constraint** | **Primary** | **Nullable** | **Unique** |
| 1 | EmplyeeID | int | 10 |  | Yes | No | No |
| 2 | Year | int | 0 |  | No | No | No |
| 3 | Month | int | 0 |  | No | No | No |
| 4 | Day1 | int | 0 |  | No | No | No |
| 5 | Day2 | int | 0 |  | No | No | No |
| 6 | Day3 | int | 0 |  | No | No | No |
| 7 | Day4 | int | 0 |  | No | No | No |
| 8 | Day5 | int | 0 |  | No | No | No |
| 9 | Day6 | int | 0 |  | No | No | No |
| 10 | Day7 | int | 0 |  | No | No | No |
| 11 | Day8 | int | 0 |  | No | No | No |
| 12 | Day9 | int | 0 |  | No | No | No |
| 13 | Day10 | int | 0 |  | No | No | No |
| 14 | Day11 | int | 0 |  | No | No | No |
| 15 | Day12 | int | 0 |  | No | No | No |
| 16 | Day13 | int | 0 |  | No | No | No |
| 17 | Day14 | int | 0 |  | No | No | No |
| 18 | Day15 | int | 0 |  | No | No | No |
| 19 | Day16 | int | 0 |  | No | No | No |
| 20 | Day17 | int | 0 |  | No | No | No |
| 21 | Day18 | int | 0 |  | No | No | No |
| 22 | Day19 | int | 0 |  | No | No | No |
| 23 | Day20 | int | 0 |  | No | No | No |
| 24 | Day21 | int | 0 |  | No | No | No |
| 25 | Day22 | int | 0 |  | No | No | No |
| 26 | Day23 | int | 0 |  | No | No | No |
| 27 | Day24 | int | 0 |  | No | No | No |
| 28 | Day25 | int | 0 |  | No | No | No |
| 29 | Day26 | int | 0 |  | No | No | No |
| 30 | Day27 | int | 0 |  | No | No | No |
| 31 | Day28 | int | 0 |  | No | No | No |
| 32 | Day29 | int | 0 |  | No | No | No |
| 33 | Day30 | int | 0 |  | No | No | No |
| 34 | Day31 | int | 0 |  | No | No | No |
| **COURSE** | | | | | | | |
| **No.** | **Name** | **Type** | **Length** | **Check Constraint** | **Primary** | **Nullable** | **Unique** |
| 1 | CourseID | int | 0 |  | Yes | No | No |
| 2 | EmployeeID | int | 10 |  | No | No | No |
| 3 | CourseName | varchar | 60 |  | No | No | No |
| 4 | Date | date | 0 |  | No | No | No |
| 5 | Company | varchar | 60 |  | No | No | No |
| 6 | DebtEntered | char | 1 | ${name} in ('Y','N') | No | No | No |
| 7 | CertReceived | char | 1 | ${name} in ('Y','N') | No | No | No |
| 8 | Copied | char | 1 | ${name} in ('Y','N') | No | No | No |
| 9 | Scanned | char | 1 | ${name} in ('Y','N') | No | No | No |
| 10 | Presented | char | 1 | ${name} in ('Y','N') | No | No | No |
| **UNIFORM** | | | | | | | |
| **No.** | **Name** | **Type** | **Length** | **Check Constraint** | **Primary** | **Nullable** | **Unique** |
| 1 | EmployeeID | int | 10 |  | Yes | No | No |
| 2 | Shirt | varchar | 20 |  | No | No | No |
| 3 | Jersey | varchar | 20 |  | No | No | No |
| 4 | Pants | varchar | 20 |  | No | No | No |
| 5 | WWPants | varchar | 20 |  | No | No | No |
| 6 | WWTop | varchar | 20 |  | No | No | No |
| 7 | Shoe | varchar | 20 |  | No | No | No |
| **INDIVIDUAL\_DEBT** | | | | | | | |
| **No.** | **Name** | **Type** | **Length** | **Check Constraint** | **Primary** | **Nullable** | **Unique** |
| 1 | DebtID | int | 0 |  | Yes | No | No |
| 2 | EmployeeID | int | 10 |  | No | No | No |
| 3 | Date | date | 0 |  | No | No | No |
| 4 | INV# | varchar | 30 |  | No | Yes | No |
| 5 | Company | varchar | 60 |  | No | Yes | No |
| 6 | Item | varchar | 60 |  | No | Yes | No |
| 7 | Amount | money | 0 |  | No | Yes | No |
| 8 | DeductionAmount | money | 0 |  | No | Yes | No |
| 9 | WINZ | money | 0 |  | No | Yes | No |
| 10 | IRD | money | 0 |  | No | Yes | No |
| 11 | InvoiceFlag | int | 1 |  | No | Yes | No |
| 12 | ATPAFlag | int | 1 |  | No | Yes | No |
| 13 | Description | varchar | 120 |  | No | Yes | No |
| **EMPLOYEE** | | | | | | | |
| **No.** | **Name** | **Type** | **Length** | **Check Constraint** | **Primary** | **Nullable** | **Unique** |
| 1 | EmployeeID | int | 10 |  | Yes | No | No |
| 2 | Position | varchar | 10 |  | No | No | No |
| 3 | OtherPositions | varchar | 128 |  | No | Yes | No |
| 4 | Forname | varchar | 50 |  | No | No | No |
| 5 | Surname | varchar | 50 |  | No | No | No |
| 6 | HomeNumber | varchar | 20 |  | No | Yes | No |
| 7 | MobileNumber | varchar | 20 |  | No | No | No |
| 8 | Email | varchar | 100 |  | No | No | No |
| 9 | DOB | date | 0 |  | No | No | No |
| 10 | KinName | varchar | 100 |  | No | Yes | No |
| 11 | KinNumber | varchar | 20 |  | No | Yes | No |
| 12 | BankName | varchar | 30 |  | No | No | No |
| 13 | AccountNumber | varchar | 30 |  | No | No | No |
| 14 | IRDNumber | varchar | 20 |  | No | No | No |
| 15 | PayRate | int | 10 | ${name} > 0 | No | No | No |
| 16 | TaxRate | int | 0 | ${name} >= 0 | No | No | No |
| 17 | DriverLicenseNumber | varchar | 30 |  | No | Yes | No |
| 18 | DriverLicenseClass | varchar | 10 |  | No | Yes | No |
| 19 | DriverLicenseExpiryDate | date | 0 |  | No | Yes | No |
| 20 | DriverLicensePhoto | varchar | 255 |  | No | Yes | No |
| 21 | SiteSafeNumber | varchar | 50 |  | No | Yes | No |
| 22 | SiteSafeExpiryDate | date | 0 |  | No | Yes | No |
| 23 | SiteSafePhoto | varchar | 255 |  | No | Yes | No |
| 24 | HireDate | date | 0 |  | No | No | No |
| 25 | ResignDate | date | 0 |  | No | Yes | No |
| 26 | YearsInBCD | int | 10 |  | No | No | No |
| 27 | YearsInIndustry | int | 10 |  | No | No | No |
| 28 | Country | varchar | 30 |  | No | No | No |
| 29 | City | varchar | 30 |  | No | No | No |
| 30 | Suburb | varchar | 30 |  | No | Yes | No |
| 31 | Street | varchar | 100 |  | No | No | No |
| 32 | PostCode | varchar | 10 |  | No | Yes | No |
| 33 | Note | varchar | 255 |  | No | Yes | No |
| 34 | PassWord | varchar | 60 |  | No | Yes | No |
| 35 | LogTime | datetime | 0 |  | No | Yes | No |
| 36 | LogStatus | char | 1 |  | No | No | No |
| 37 | EmployeeStatus | char | 1 |  | No | No | No |

# Trigger

* **Trigger Name:** tgr\_update\_employee
* **Trigger Function:** When the employee’s information is modified by the user, this trigger will be fired automatically and record the old values of employee’s information into a history table – Employee\_History.

# Stored Procedures

|  |  |  |
| --- | --- | --- |
| **No.** | **Name** | **Function** |
|  | sp\_addAttendance | Insert new attendance information into table Attendance |
|  | sp\_addCertification | Insert new certification information into table Certification |
|  | sp\_addCompetency | Insert new competency information into table Competency |
|  | sp\_addEmployee | Insert new employee information into table Employee |
|  | sp\_addIndividualDebt | Insert new individual debt information into table Individual\_Debt |
|  | sp\_addStaffCourse | Insert new staff course information into table Staff\_Course |
|  | sp\_addStaffSize | Insert new uniform information into table Uniform |
|  | sp\_addTax | Insert new tax information into table Tax |
|  | sp\_addTimeSheet | Insert new time information into table Time\_Sheet |
|  | sp\_addToolList | Insert new tool list information into table Tool\_LIst |
|  | sp\_addToolTraining | Insert new tool training information into table Tool\_Traing |
|  | sp\_addToolUse | Insert new tool use information into table Tool\_Use |
|  | sp\_addVehicle | Insert new vehicle information into table Vehicl |
|  | sp\_addWage | Insert new wage information into table Wage |
|  | sp\_backupDB | Backup database |
|  | sp\_changePassword | Change the specified user’s password |
|  | sp\_deleteCertification | Delete employee’s certification information from database |
|  | sp\_deleteCompetency | Delete employee’s competency record from database |
|  | sp\_login | log into the system |
|  | sp\_queryCertification | Query employee’s certification information |
|  | sp\_queryCompetency | Query employee’s competency information |
|  | sp\_reportTax | Create report data of tax |
|  | sp\_updateEmployee | Update employee’s information in database |

# System Functions

# Function List

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NO.** | **Menu** | **Sub Menu** | **Code File** | **Difficulty** |
|  | Login |  | Default.aspx | Intermdiate |
|  | HomePage |  | Home.aspx | Easy |
|  | Employee | New | CreateEmployee.aspx | Intermdiate |
|  | Maintain | MaintainEmployee.aspx | Intermdiate |
|  | Query | QueryEmployee.aspx | Easy |
|  | Query History | QueryEmployeeHistory.aspx | Easy |
|  | StaffSize | New | CreateStaffSize.aspx | Easy |
|  | Query | QueryStaffSize.aspx | Easy |
|  | StaffCourse | New | CreatStaffCourse.aspx | Easy |
|  | Query | QueryStaffCourse.aspx | Easy |
|  | Certification | Maintain | MaintainCertification.aspx | Intermdiate |
|  | Query | QueryCertification.aspx | Hard |
|  | Attendance | New | CreateAttendance.aspx | Intermdiate |
|  | Query | QueryAttendance.aspx | Intermdiate |
|  | TimeSheet | New | CreateTimeSheet.aspx | Easy |
|  | Query | QueryTimeSheet.aspx | Easy |
|  | Wage | New | CreateWage.aspx | Intermdiate |
|  | Query | QueryWage.aspx | Intermdiate |
|  | Tax | New | CreateTax.aspx | Intermdiate |
|  | Maintain | MaintainTax.aspx | Easy |
|  | Query | QueryTax.aspx | hard |
|  | IndividualDebt | New | CreateIndividualDebt.aspx | Intermdiate |
|  | Query | QueryIndividualDebt.aspx | Intermdiate |
|  | Competency | Maintain | Competency.aspx | Hard |
|  | Tool>ToolUse | New | CreateToolUse.aspx | Easy |
|  | Query | QueryToolUse.aspx | Easy |
|  | Tool>ToolList | New | CreateToolList.aspx | Easy |
|  | Query | QueryToolList.aspx | Easy |
|  | Tool>ToolTraining | New | CreateToolTraining.aspx | Easy |
|  | Query | QueryToolTraining.aspx | Easy |
|  | Vehicle | New | CreateVehicle.aspx | Easy |
|  | Query | QueryVehicle.aspx | Easy |
|  | System | ChangePassword | ChangePassword.aspx | Easy |

# Function Details

# Login

# HomePage

# Employee

# StaffSize

# StaffCourse

# Certification

# Attendance

# TimeSheet

# Wage

# Tax

# IndividualDebt

# Competency

# Tool>ToolUse

# Tool>ToolList

# Tool>ToolTraining

# Vehicle

# System