Human Resource Management System

Pinky Pal-lingayan

Obmerga, Gladys T.

BSCPE 5-3

Prof Dela Cruz

DATABASE DESCRIPTION

Scope

Our system will includes HR, payroll, management and employee's project activities by providing an easily-accessible information system for small-sized businesses. The system will improve employee and managerial productivity by integrating a comprehensive functions and features that you need to manage your workforce resulting in more effective planning, control, less paperwork and manage HR costs.

DATABASE DESIGN

EMPLOYEES				
Key	**Field Name**	**Data Type**	**Null**	**Default**
PK	ID	int(10)	Yes	NULL
	Emloyee_ID	varchar(10)	Yes	NULL
	Username	varchar(50)	No	NULL
	Password	varchar(50)	No	NULL
	First_Name	varchar(50)	No	NULL
	Last_Name	varchar(50)	No	NULL
	Middle_Name	varchar(50)	No	
	Age	int(10)	No	NULL
	Gender	varchar(3)	No	NULL
FK	Zip_Code	int(8)	Yes	NULL
	Email_Address	varchar(50)	No	
	Contact_Number	int(15)	No	
	Contact_Person_in_Case_of_Emergency	varchar(50)	No	NULL
	Employee's_Contact_Person_Number	int(15)	No	NULL
	Highest_Educational_Attainment	varchar(50)	No	NULL
	College_University	varchar(50)	No	NULL
	Date_Graduated	varchar(50)	Yes	NULL
	Previous_Employment	varchar(50)	No	NULL
	Previous Position	varchar(50)	No	NULL
	Employer_Contact_Number	int(15)	No	NULL

EMPLOYEES				
Key	**Field Name**	**Data Type**	**Null**	**Default**
PK	ID	int(10)	No	NULL
FK	Emloyee_ID	varchar(10)	No	NULL
	Position	varchar(50)	No	NULL
	Department	varchar(50)	No	NULL
	Status	varchar(50)	No	NULL
	Date_Started	varchar(50)	Yes	NULL
	Username	varchar(50)	No	NULL
	Password	varchar(50)	No	NULL

PAYROLL_SHEET				
Key	**Field Name**	**Data Type**	**Null**	**Default**
PK	ID	int(10)r	No	NULL
FK	Employee_ID	varchar(10)	No	NULL
	Salary_Rate	int(30)	Yes	NULL

PROJECT_REPORT				
Key	**Field Name**	**Data Type**	**Null**	**Default**

PK	Date_Modified	int(10)	No	NULL
	Project_Title	varchar(50)	No	NULL
	Project_Number	varchar(50)	No	NULL
	Assignned_to	varchar(50)	No	NULL
	Status	varchar(50)	No	NULL
	Link	varchar(50)	No	NULL
	Reply_With_the_Client	varchar(300)	No	NULL
	What_Have_You_Learned	varchar(300)	No	NULL

TIME_SHEET				
Key	**Field Name**	**Data Type**	**Null**	**Default**
PK	ID	int(10)	No	NULL
FK	Employee_ID	varchar(50)	No	NULL
	Total_Hours_Required	int(10)	No	NULL
	Total_Hours_Left	int(10)	No	NULL
	Date_	varchar(50)	No	NULL
	Time_In	varchar(50)	No	NULL
	Time_Out	varchar(50)	No	NULL
	Number_of_Hours	int(10)	No	NULL

ZIP_CODE				
Key	**Field Name**	**Data Type**	**Null**	**Default**
PK	Zip_Code	int(10)	No	NULL
	Barangay	varchar(50)	Yes	NULL
	Municipality	varchar(50)	Yes	NULL
	Region	varchar(50)	Yes	NULL

USER_LOGIN				
Key	**Field Name**	**Data Type**	**Null**	**Default**
PK	ID	int(10)	No	NULL
FK	Employee_ID	varchar(50)	No	NULL
	Date_Login	varchar(50)	No	NULL
	Date/Time	Date/Time	No	NULL

DATABSE NORMALIZATION

Original Form

USER_LOGIN

Number	Username	Date_Login
1	employee	7/18/2015 11:20:54 AM
2	admin	7/18/2015 11:20:58 AM
5	admin	7/31/2015 9:26:41 AM
6	employee	7/31/2015 9:28:51 AM

TIME_SHEET 10/13/201

Employees_ID	Employee_Username	Total_Hours_Required	Total_Hours_Left
2015-005a	edeumali	500	292
2015-005a	edeumali	500	292
2015-005b	gassilvestre	500	292
2015-001b	gjbreyes	500	292
2015-001a	gtobmerga	500	292
2015-003b	htasuncion	500	292
2015-004b	jfmlogmao	500	292
2015-006a	jlvisaya	300	292
2015-002a	lecastro	500	292
2015-003a	mjgeresuela	500	292
2015-004a	mrsanoy	500	292
2015-002b	pspalingayan	500	292

EMPLOYEES 10/1

ID	Employee_ID	Last_Name	First_Name	Middle_Name	Position
	1	Obmerga	Gladys	Tapar	
	2	Reyes	Gilbert	Biteranta	
	3	Castro	Liezel	Escanilla	
	4	Pal-lingayan	Pinky	Solas	
	5	Eresuela	Michael	Gervacio	
	6	Asuncion	Harold	Taroy	
	7	Sanoy	Mhean	Reyes	
	8	Logmao	Franz	Mansalapus	
	9	Umali	Emmanuel	Ewan	
	10	Silvestre	Abbie	San Luis	
	11	Visaya	Janet	Labodit	

PROJECT_REPORT 10/13/2015

Date_Modified	Project_Title	Project_Number	Assigned_To	Task
Saturday, July 18, 2015	Otoole	2015-0AA	gladys	fixing
Saturday, July 18, 2015	Max Dupain	2015-1AB	gilbert	fixing
Friday, July 31, 2015	Sugar	2015-1AC	janet	fix
Saturday, July 18, 2015	Red Emperor	2015-2AA	liezel	fixing
Saturday, July 18, 2015	Legal Case	2015-2AB	pinky	fixing
Saturday, July 18, 2015	Chowchime	2015-3AA	mikel	fixing
Saturday, July 18, 2015	Ecoloads	2015-3AB	harold	fixing
Saturday, July 18, 2015	Enterprise	2015-4AA	mhean	fixing
Saturday, July 18, 2015	FreelanceU	2015-4AB	franz	fixing
Saturday, July 18, 2015	XVA version 2	2015-5AA	igz	fixing
Saturday, July 18, 2015	Applicants	2015-5AB	abbie	fixing

PAYROLL_SHEET

Employee_ID	Employee_User	Position	Salary_Rate
2015-001a	gtobmerga	Manager	$20,000.00
2015-001b	gjbreyes	Assistant Mana	$20,000.00
2015-002a	lecastro	Web Developer	$20,000.00
2015-002b	pspalingayan	Web Developer	$20,000.00
2015-003a	mjgeresuela	PHP Developer	$20,000.00
2015-003b	htasuncion	PHP Developer	$20,000.00
2015-004a	mrsanoy	OJT	$50.00
2015-004b	jfmlogmao	OJT	$50.00
2015-005a	edeumali	OJT	$50.00
2015-005b	gassilvestre	OJT	$50.00
2015-006a	jlvisaya	OJT	$50.00
2015-006b	jlleona	OJT	$50.00

PERSONAL_INFO 10/13/201

Employee_ID	Position	Date_Started	Status	Last_Name
2015-001a	Manager	Monday, January 19, 2015	ongoing	Obmerga
2015-001b	Assistant Mana	Monday, January 19, 2015	ongoing	Reyes
2015-002a	Web Developer	Monday, January 19, 2015	ongoing	Castro
2015-002b	Web Developer	Monday, January 19, 2015	ongoing	Pal-lingayan
2015-003a	PHP Developer	Monday, January 19, 2015	ongoing	Eresuela
2015-003b	PHP Developer	Monday, January 19, 2015	ongoing	Asuncion
2015-004a	OJT	Wednesday, April 22, 2015	done	Sanoy
2015-004b	OJT	Wednesday, April 22, 2015	done	Logmao
2015-005a	OJT	Tuesday, May 5, 2015	ongoing	Umali
2015-005b	OJT	Tuesday, May 5, 2015	ongoing	Silvestre
2015-006a	OJT	Tuesday, July 21, 2015	ongoing	Visaya

Normalized table

EMPLOYEES 10/1

ID	Emloyee_Code	Position	Department	Status	Date_Started
1					

PAYROLL_SHEET

ID	Employee_ID	Salary_Rate

PERSONAL_INFORMATION 10/1

ID	Employee_ID	Username	Password	First_Name	Last_Name
1		password			

PROJECT_REPORT 10/13/

Date_Modified	Project_Title	Project_Numbe	Assignned_to	Status	Link

TIME_SHEET 10/13/

ID	Employee_ID	Total_Hours_Re	Total_Hours_Le	Date_	Time_In

USER_LOGIN

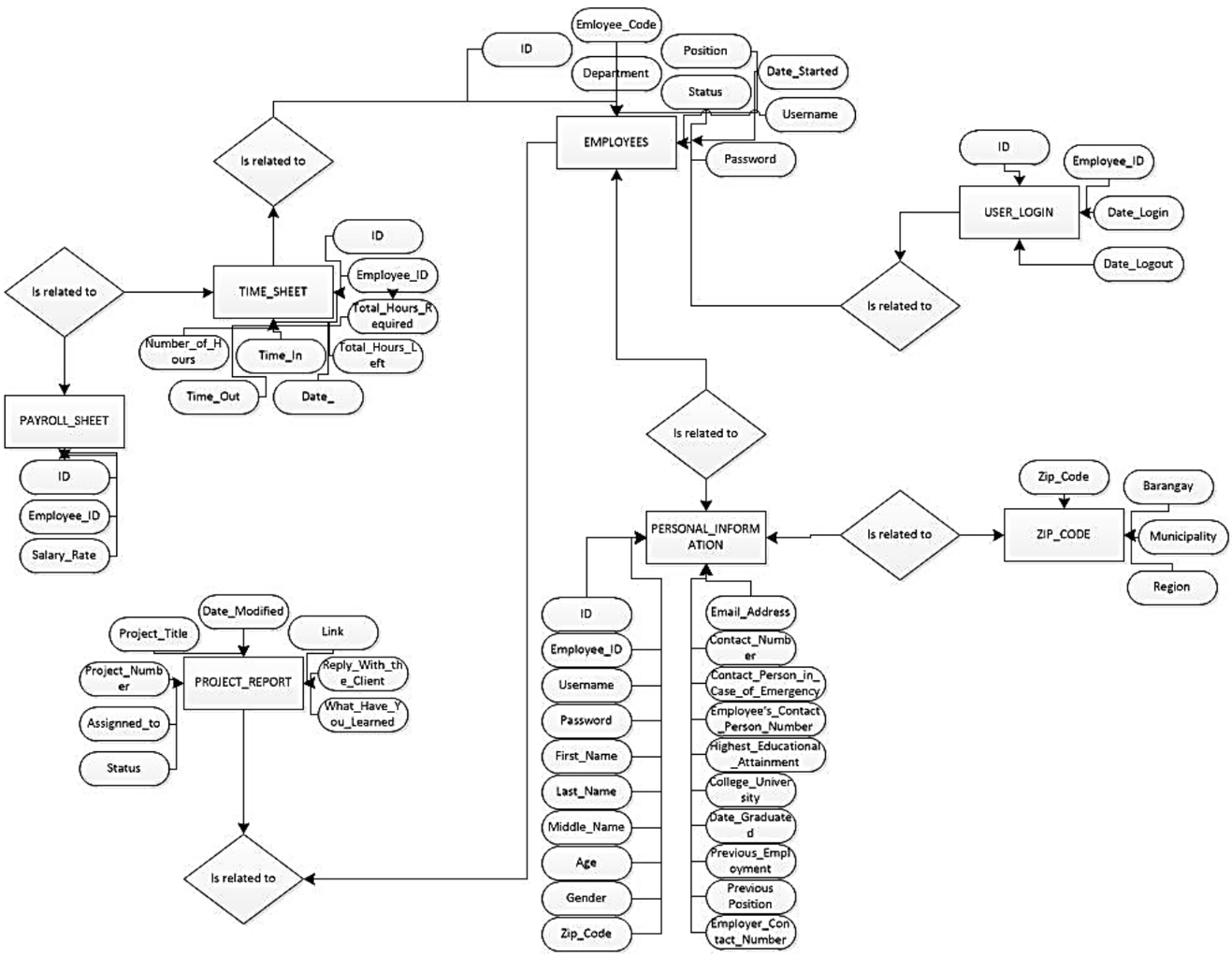
ID	Employee_ID	Date_Login	Date_Logout

ZIP_CODE

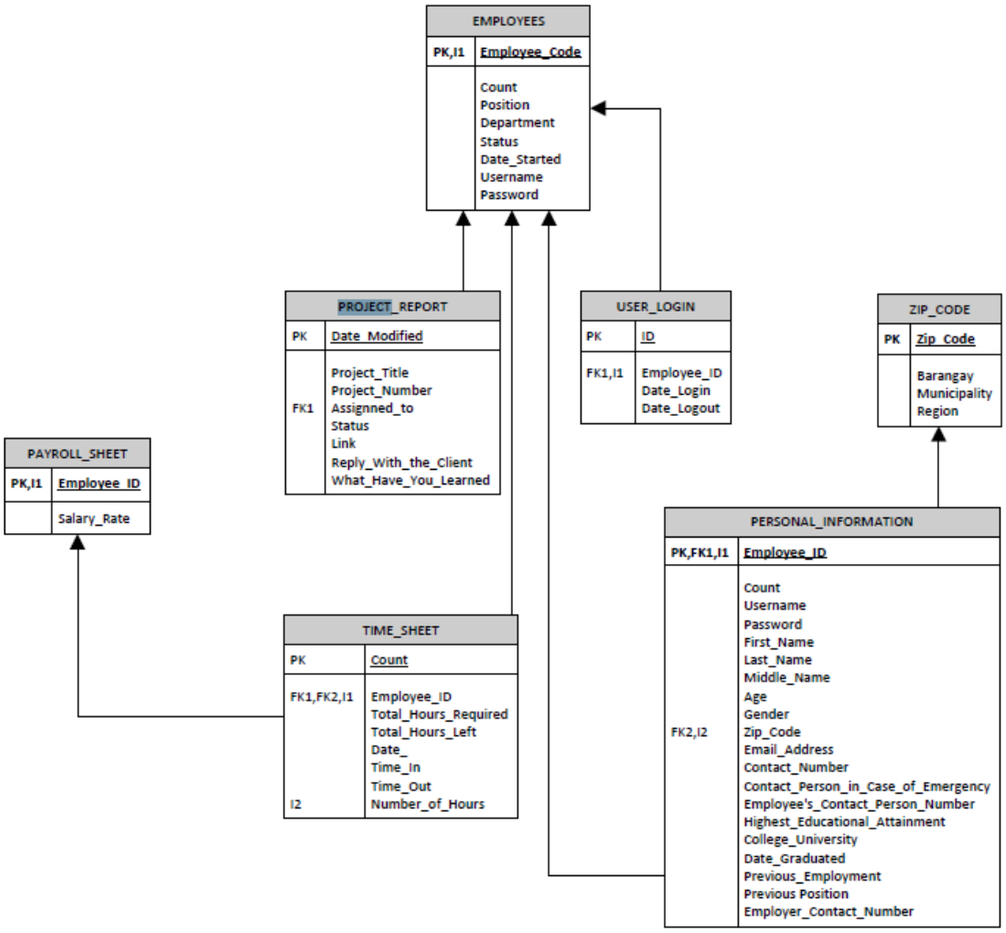
Zip_Code	Barangay	Municipality	Region

ERD

Attribute view



Relationship View

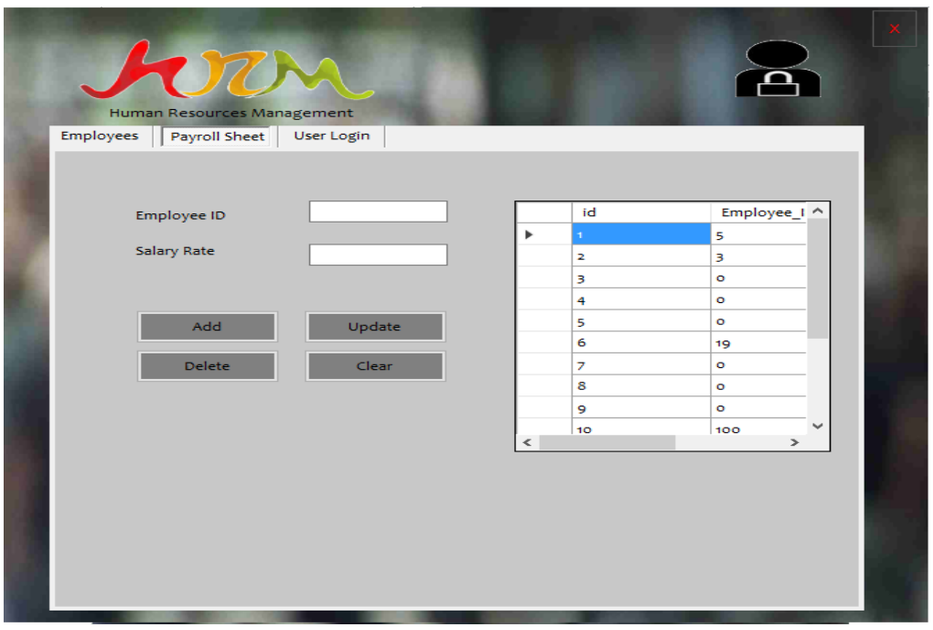


Screenshots

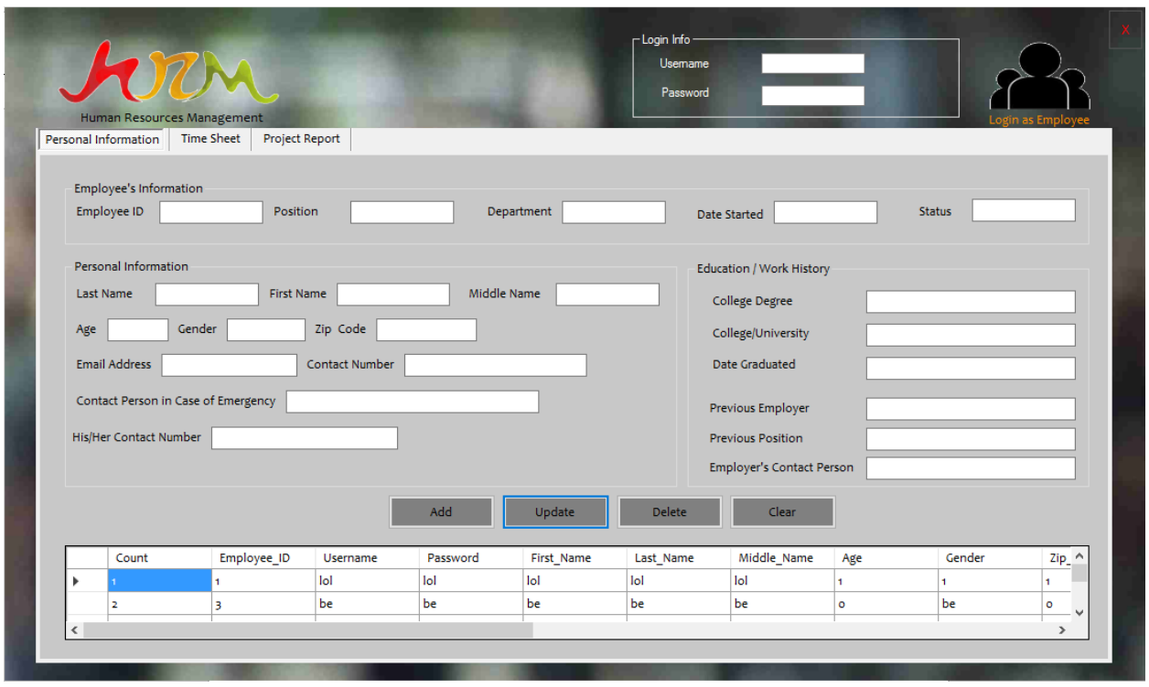
Splash Screen

Log in Screen

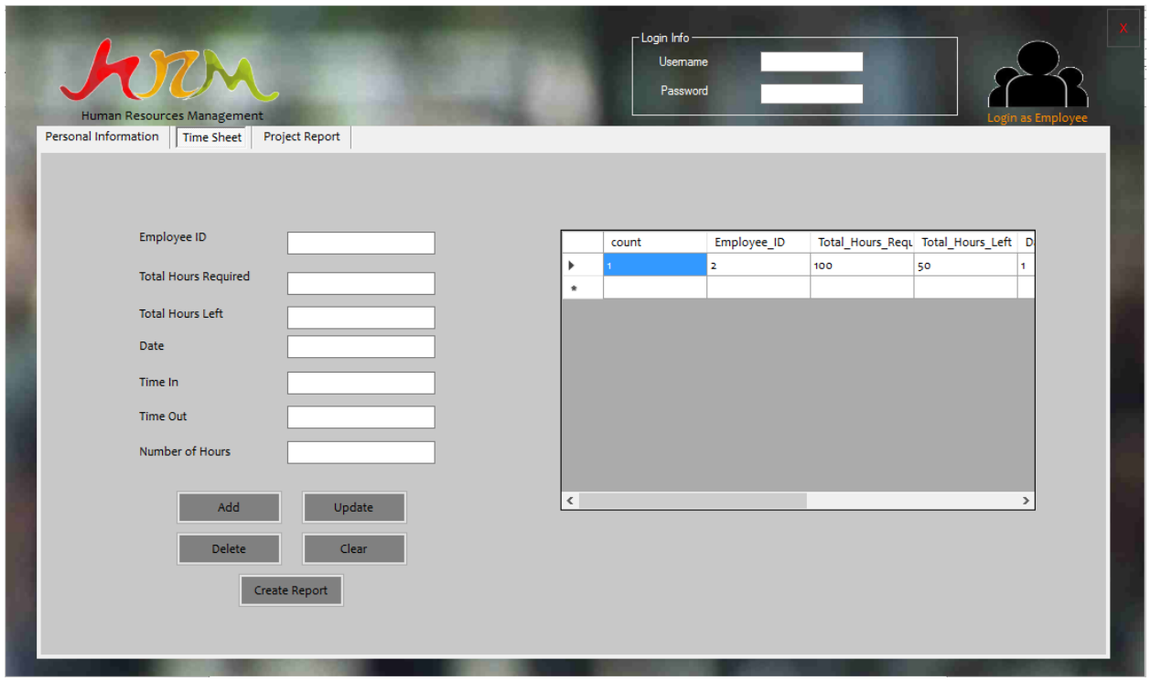
Forms

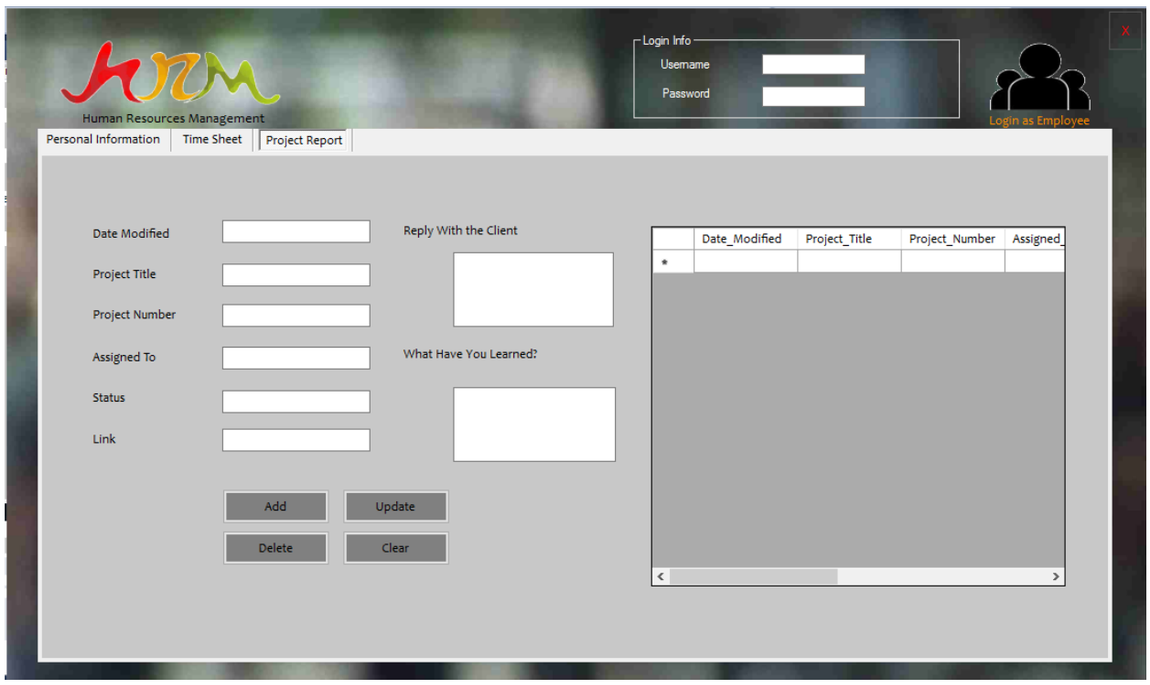


	count	Username	Date_Login	Password
▶	1	admin	lol	admin
	2	admin	10/11/2015 8:21:1...	admin
	3	employee	10/11/2015 8:24:3...	employee
	4	employee	10/11/2015 8:25:5...	employee
	5	admin	10/11/2015 8:30:1...	admin
	6	admin	10/11/2015 8:32:2...	admin
	7	admin	10/11/2015 8:45:2...	admin
	8	employee	10/11/2015 9:24:5...	employee
	9	admin	10/11/2015 9:40:1...	admin
	10	employee	10/12/2015 12:24:...	employee
	11	employee	10/12/2015 12:26:...	employee
	12	employee	10/12/2015 12:51:...	employee
	13	employee	10/12/2015 2:38:...	employee
	14	employee	10/12/2015 2:42:...	employee
	15	employee	10/12/2015 6:11:0...	employee
	16	admin	10/12/2015 6:22:...	admin

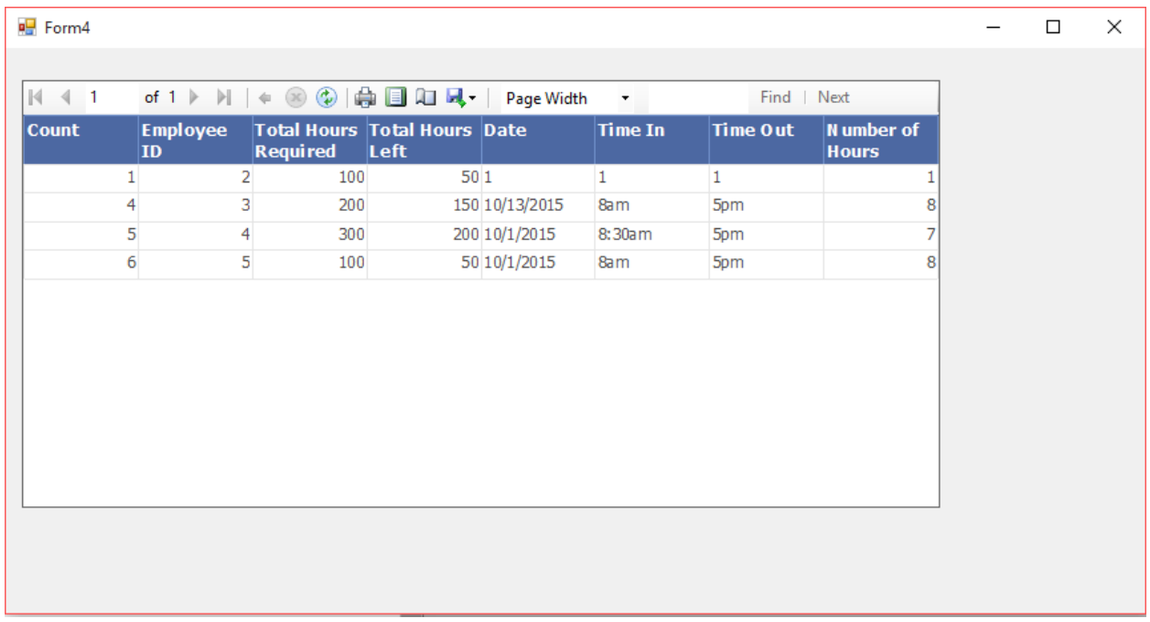


	Count	Employee_ID	Username	Password	First_Name	Last_Name	Middle_Name	Age	Gender	Zip_
▶	1	1	lol	lol	lol	lol	lol	1	1	1
	2	3	be	be	be	be	be	0	be	0


Human Resources Management
Login Info
Username
Password
Login as Employee
Personal Information
Time Sheet
Project Report
Employee ID
Total Hours Required
Total Hours Left
Date
Time In
Time Out
Number of Hours
Add
Update
Delete
Clear
Create Report
count
Employee_ID
Total_Hours_Requ
Total_Hours_Left
1
2
100
50
1


Human Resources Management
Login Info
Username
Password
Login as Employee
Personal Information
Time Sheet
Project Report
Date Modified
Project Title
Project Number
Assigned To
Status
Link
Reply With the Client
What Have You Learned?
Add
Update
Delete
Clear
Date_Modified
Project_Title
Project_Number
Assigned_

REPORT


Form4
1
of 1
Page Width
Find
Next
Count
Employee ID
Total Hours Required
Total Hours Left
Date
Time In
Time Out
Number of Hours
1 2 100 50 1 1 1 1
4 3 200 150 10/13/2015 8am 5pm 8
5 4 300 200 10/1/2015 8:30am 5pm 7
6 5 100 50 10/1/2015 8am 5pm 8