If you do not pay any relevent course fee to maintain Earth University BIT platform, Be ethical enough to contribute while you are using our Academic Contents

www.earth.lk/community 2004-2024 (20th Anniversary)

# **Sprint-2 Plan**

## **Employee Detail Management**

- 1. Establishing Project Folder Architecture
- 2. Server App Initialization
- 3. Sprint-2 Execution [ 2(a), 2(b), 2(c), 2(d), 2(e), 2(f) ]
- 4. Completing Sprint-1 Objectives

# 2(a) Employee Module - Analysis, Design & DB-Preparation

- 1. Data Design
- 2. UI Design
- 3. Sample Data
- 4. Database Preparation

## 2(b) Employee View

- 1. Controller Design
- 2. Coding-Server App

Version-1 (Client Pagination)

Entity Coding, DAO Coding, Controller Coding, Testing

Version-2 (Server Pagination)

Controller Modification, Testing

3. Coding-Client App

Version-1 (Client Pagination)

UI Preparation, Entity Coding, Service Coding, Controller Coding, Testing

Version-2 (Server Pagination)

Service Modification, Controller Modification, Testing

2(c) Employee Search

2(d) Employee Insert

2(e) Employee Update

2(f) Employee Delete

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# 2(a) Employee Module - Analysis, Design & DB-Preparation

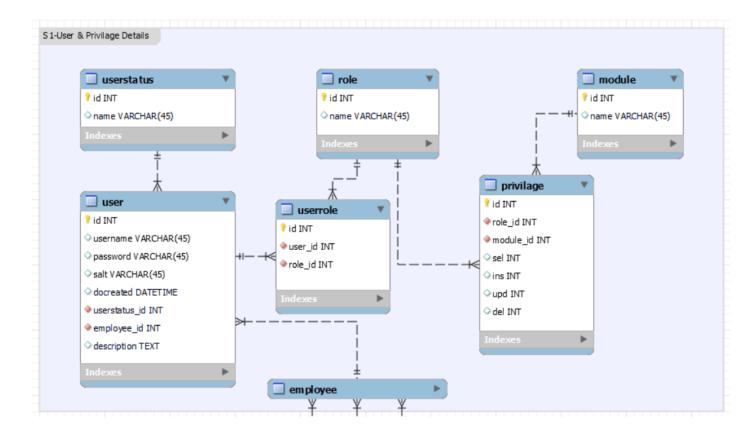
- 1. Data Design
- 2. UI Design
- 3. Sample Data
- 4. Database Preparation

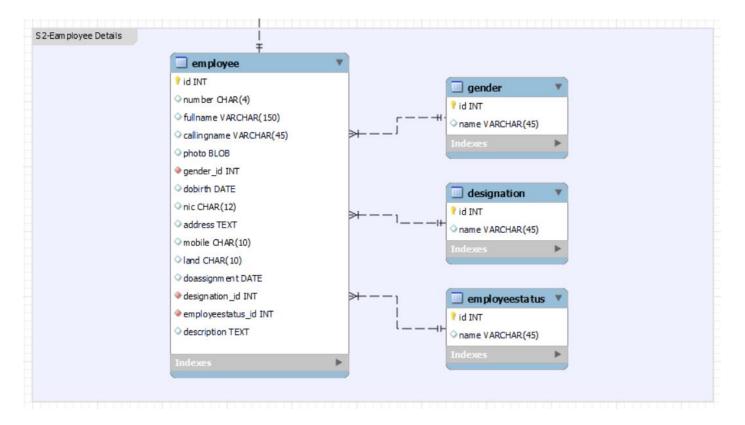
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#### **Important**

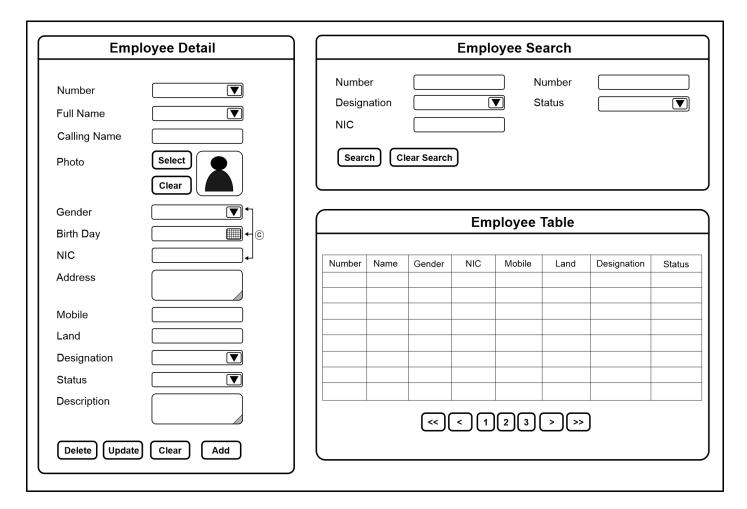
Sprint ER Contains set of Tables from the Sprint-1
Sprint-2 will cover tasks from both Sprint-1 and Sprint-2

#### 1. Data Design





# 2. UI Design



# 3. Sample Data

gender	
id	name
1	Male
2	Female
3	Other

designation				
id	name			
1	Demonstrator L1			
2	Assistant G1			
3	Assistant G1			
4	Demonstrator L2			
5	Demonstrator L3			

employeestatus				
id	name			
1	Active			
2	Suspended Permanently			
3	Suspended Temporally			
4	Retired			
5	Resigned			
6	On Leave			

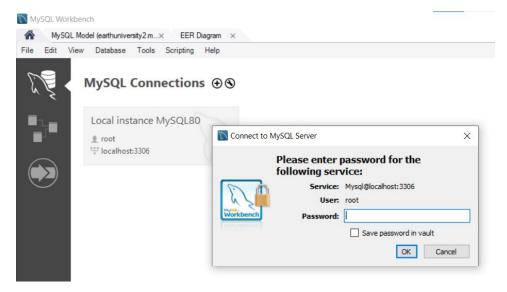
em	employee							
1	id	1	2	3	4			
2	number	2201	2202	2203	2301			
3	fullname	Ashan Pathum	Dileesha Rukmal	Thahir Imran	Lakshan Ruvinda			
4	callingname	Ashan	Rukmal	Rukmal	Rukmal			
5	photo	null	null	null	null			
6	gender_id	1(Male)	1(Male)	1(Male)	1(Male)			
7	dobirth	2001.01.01	2001.01.02	2001.01.02	2001.01.03			
8	nic	200110300040	200120800050	200130700020	200140800090			
9	address	Dabulla	Kagalle	Wathathala	Kirindiwela			
10	mobile	0779666666	0769666666	0719666666	0729666666			
11	land	0339666666	0369666666	0119666666	0369666666			
12	doassignment	2001.01.01	2001.01.02	2001.01.02	2001.01.03			
13	designation_id	1(Demo L1)	1(Demo L1)	1(Demo L1)	1(Demo L1)			
14	employeestatus_id	1(Active)	1(Active)	1(Active)	1(Active)			
15	description	BIT-UG	BIT-UG	BIT-UG	BIT-UG			

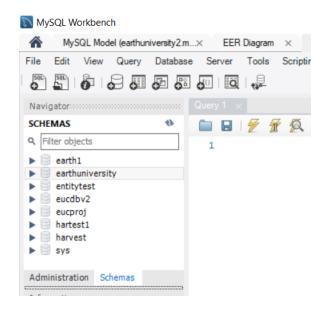
## 4. Database Preparation

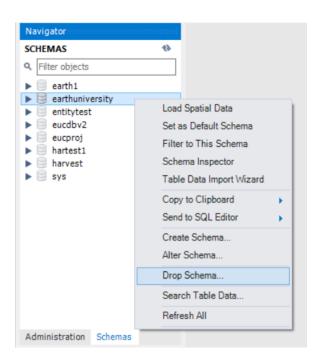
Forward Engineer the Sprint-2 ER and Insert Sample Data into the Database before start these steps

- 1. Log Into the DBMS using Administrative Tools of the Workbench
- 2. Look for database "earthuniversity" and drop the database if exists
- 3. Open Sprint-2 ER (Employee with User) using Designing Tools of the Workbench
- 4. Forward Engineered the ER to create the database
- 5. Insert Sample Data, Supportive tables(FKs) first and then the Base table
- 6. Get a Backup and Restore the Database in another DB-Server

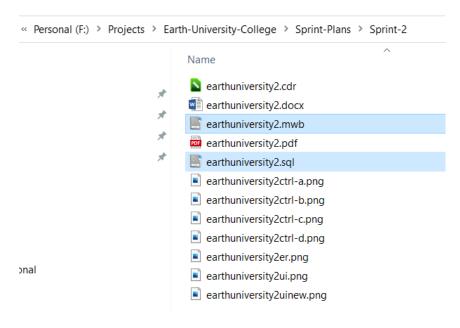
## **Open Database Administrator Tools of the Workbench**

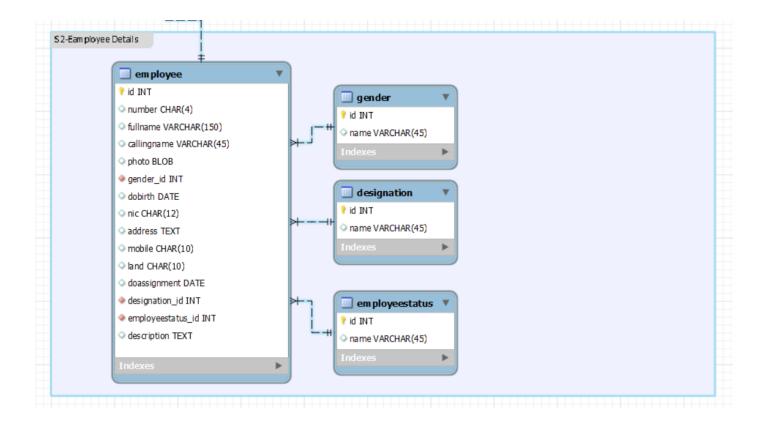




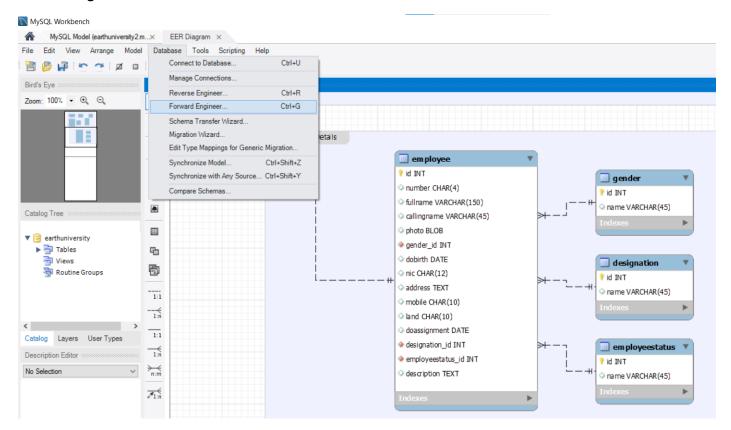


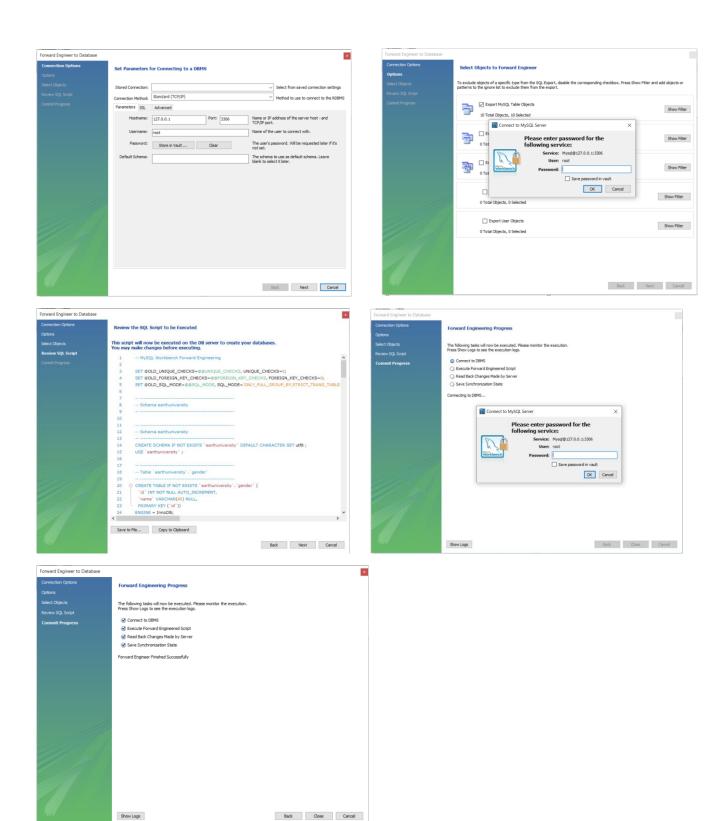
## Open the Sprint-2 ER





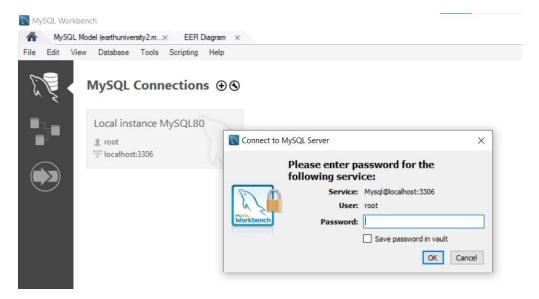
### **Forward Engineer**

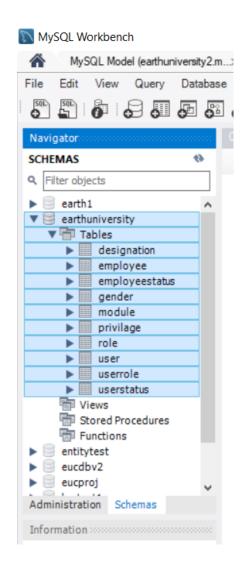




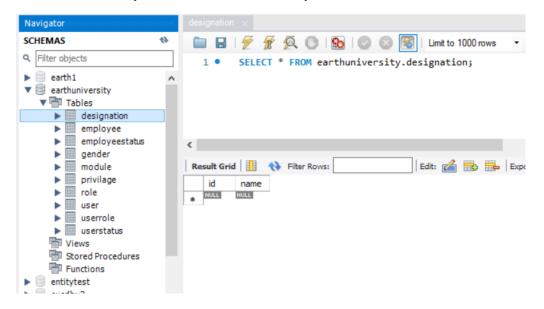
Next, Next, Enter DB Password

Log into the administrative tools and observe the database and tables to check whether the Forward Engineering Process is successful or not

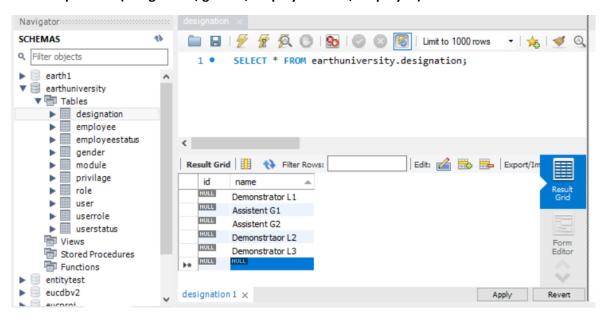


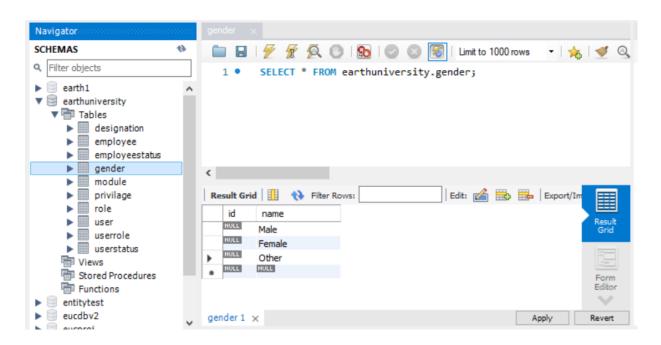


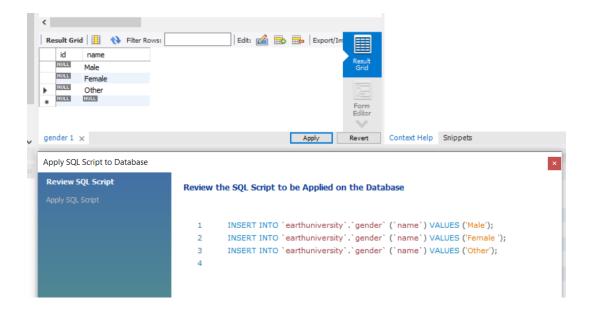
#### Make sure that they do not have data inserted yet

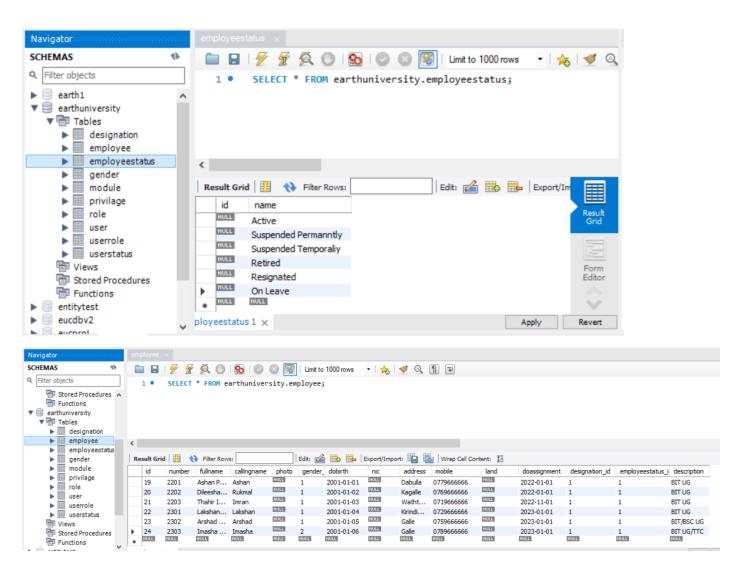


## Add Sample Data (designation, gender, employeestatus, employee)









#### Get a Backup of the Database & Restore it another Computer.

Place the backup in the "Sprint-Plan" → "Sprint-2"



Department of Information Technology Earth University College