



TRAINING PROGRAM - 4

LEVEL - 0

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1. Web Application for RECORD-MAINTENANCE

Create web application following functionalities.

1.1 Database

Create a database with SQLite with following tables:

1. TblUserMaster
 - a. UserID (Auto Generated and Auto Increment)
 - b. UserName
 - c. Mobile Number
 - d. Password (with strong password policies)
 - e. Confirm Password (must match with password)
2. TblEmployeeMaster
 - a. MastCode (Auto Generated and Auto Increment)
 - b. User Id (foreign key with User id of TblUserMaster table)
 - c. EmpID (Unique)
 - d. EmpName
 - e. Designation
 - f. Department
 - g. Joined Date
 - h. Salary
3. TblEmployeeDetail
 - a. EmpCode (Foreign key with MastCode of TblEmployeeMaster)
 - b. AddressLine1
 - c. AddressLine2
 - d. City
 - e. State
 - f. Country

1.2 Application

Create screen which having facilities like-

- a. Login
- b. Forgot password
- c. Reset Password
- d. Home Page (Display all records with search facility)
- e. Add record
- f. Update record
- g. Delete record

1.3 Web Security

Response of each page must contain all necessary security headers such as **Cross-Site Scripting**, Strict-Transport-Security, X-Content-Type-Options, X-Frame-Options.

For more detail, please refer below link

<https://cheatsheetseries.owasp.org/cheatsheets/HTTP-Headers-Cheat-Sheet.html>

1.4 Documentation

Write a paper on program with description or detail understanding of facilities.