

Assignment 2

PROG32356

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Instructions

- Complete the assignment provided.
- Zip your project and all files and upload to Slate by the due date.
- Corrupt/incorrect submissions will result in a 30% penalty.
- The app must be bug free and will incur a 30% penalty for even a single crash.
- This work is individual. Zero collaboration is allowed.
- App must already come with preloaded data (5 lines per collection minimum)
- Mark breakdown:
 - 10% for correct submission
 - 35% for Database (10 for each table and 10 for login)
 - 55% for Maui app (15 for each page and 10 for “hamburger” view)

Instructions

- Note that there may be some research required to complete this app.
- This app must run properly on both Windows and Android.
- I will be testing the Windows build and you will be required to provide a screen cast demo'ing all features of the app on the Android build.
- Failure to provide a screencast or having insufficient demo will result in a 30% penalty.

Assignment 2

- Create a Maui app using C# and .Net
- Create an Employee management system that will do the following:
 - Add, update, delete an employee (ID, name, address, email, phone, role)
 - Payroll feature for adding this weeks wages (ID, employeeID, hours worked, hourly rate, date)
 - Vacation days (ID, employeeID, numberOfDays)
 - Each employee will be given 14 days when a new employee is added and will increment by 1 when a new payroll entry is entered for that employee.
- Use **SQL Server** to store your data, you must use a custom class for Employee, Payroll and Vacation at minimum.
- Use **CONNECTED MODEL ONLY** to query, insert, update, delete your data.

Assignment 2 - Database

- Your database must adhere to the following (names & case sensitivity must match):
- Username: JimGordon
- Password: batman
- Database Name: PROG32356Assign2Employee
- Table 1 Name: Employee
 - ID – int
 - Name – varchar(50)
 - Address – varchar(50)
 - Email – varchar(50)
 - Phone – varchar(50)
 - Role – varchar(50)
- Table 2 Name: Payroll
 - ID – int
 - employeeID - int
 - HoursWorked – int
 - HourlyRate – Decimal
 - Date – Date
- Table 3: VacationDays
 - ID – int
 - employeeID – int
 - numberOfDays – int

Each employee will be given 14 days when a new employee is added and will increment by 1 when a new payroll entry is entered for that employee.

Assignment 2 – Maui App

- Your Maui app will consist of a hamburger menu view with pages for:
 - Employees
 - Payroll
 - Vacation
- Each page will have a menu bar with buttons:
 - Add
 - Update
 - Delete
 - Refresh

Assignment 2 – Maui App

- Each page will consist of textboxes, combo boxes, datepickers, etc as required for each input (example do not use a textbox for choosing a date when a datepicker would suffice).
- Each page will have a list view object to show all results in that list view. (research required)
- Each must be scrollable so that the entire page is viewable.