

CCSE PROJECT MANAGEMENT SYSTEM

MILESTONE 2 Report

IT 4983 : IT CAPSTONE SPRING 2020

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Agenda For Milestone 2 Report

- ❖ Project Summary
- ❖ Milestone Assessment
- ❖ Gantt Chart
- ❖ Challenges
- ❖ Planning for Phase III deliverables

Project Summary I

The team is wrapping up Phase II of the project. We have completed the Database and made required changes suggested by our Sponsor. We have also created sketches for the GUI and began implementation of the GUI in Visual Studios. Most SQL scripts that are needed for reports have been written. Further scripts will be written for the handling of PDFs, or by sponsor request. The final deliverables for the CCSE PMO PROJECT are:

- ❖ Project Plan
- ❖ Database design
- ❖ Project management system database
- ❖ Graphical User Interface
- ❖ Documentation

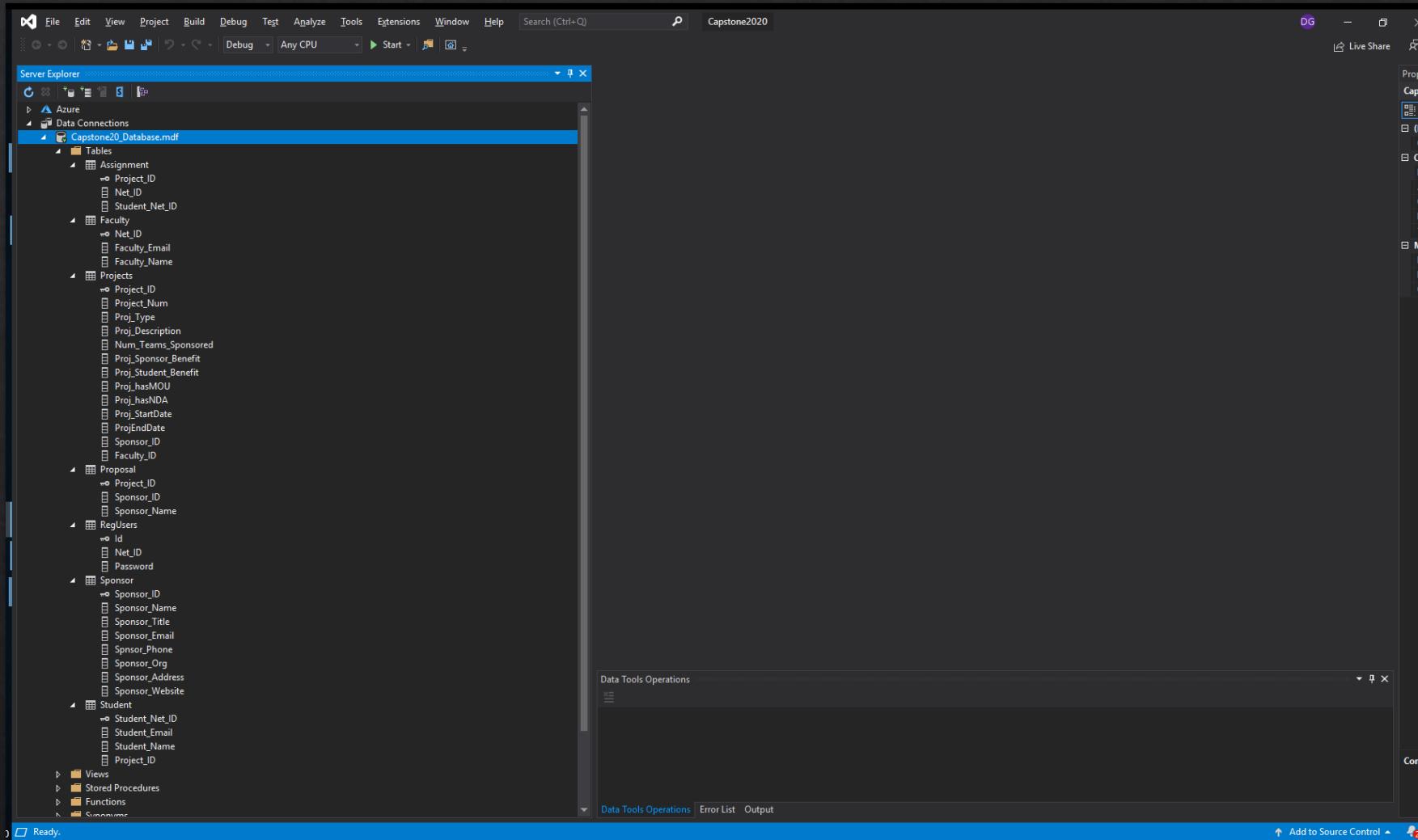
Project Summary II: Accomplishments

- ❖ Finished implementation of Database in Visual Studio
- ❖ Finished linking required tables through keys and junction tables
- ❖ Created GUI sketches
- ❖ Began implementation of GUI in Visual Studio
- ❖ Creation and Implementation of web portal
- ❖ Creation of majority of SQL scripts for reports
- ❖ Minor testing and debugging of Database during script creation

Milestone 2: Assessment

- ❖ Database creation and table linking - complete
- ❖ GUI Sketches – complete
- ❖ Implementation of GUI in Visual Studio – in progress
- ❖ Web page portal – in progress
- ❖ SQL scripts for reports – in progress
- ❖ Update Gantt Chart- completed

Database creation and linking



GUI Sketches

Manage Projects

Manage Projects

Project Details	NDA <input type="button" value="Yes/No"/> MOU <input type="button" value="Yes/No"/>
Start date:	<input type="text"/>
End date:	<input type="text"/>
Teams Sponsored:	<input type="text"/>
Project Name:	<input type="text"/>
Project Type:	<input type="text"/>
Project description:	255 Chars or less <input type="text"/>
Sponsor Benefit:	255 Char or less <input type="text"/>
Student Benefit:	255 Char or less <input type="text"/>

Faculty Info

Faulty Name:	<input type="text"/>
Faculty Email:	<input type="text"/>
Select Dept:	<input type="button" value="Department"/>

Add New
Update
Delete
Reset
Submit
Cancel

View Project Info

Project_ID	Project_Name	Project_Type
005	Renult CMS 2020	Capstone
006	KSU CRM 2020	Research
007	KSU CCSE 2020	Contract for Hire

Print Preview
Print Report
Export

This is a rough GUI sketch. This page os for adding new projects, updating and deleting projects. The "Add New" allows you to add the next project

Search Projects

Search Projects

Search Criteria

Project Number:	<input type="text"/>
Project Name:	<input type="text"/>
Faculty Name:	<input type="text"/>
Project Start Date:	<input type="text"/>
<input type="checkbox"/> Undergrad <input type="checkbox"/> Grad	

Search **Clear**

Print Preview **Print Report** **Export**

View Report

Project_Number	Project_Name	Faculty_Name
xxxxxx	CCSE PMO	Rob Smith
xxxxxx	CCSE CRM	Dr. Jim Anderson
xxxxxx	CCSE Research	Dr. Kathy Lane

Web Portal

File Edit View Project Build Debug Format Table Test Analyze Tools Extensions Window Help Search (Ctrl+Q) WC Live Share Diagnostic Tools

Any CPU IIS Express (Google Chrome) Automatic (None) (Default) B / U A

Toolbox

Search Toolbox

Standard

- Pointer
- AdRotator
- BulletedList
- Button
- Calendar
- CheckBox
- CheckBoxList
- DropDownList
- FileUpload
- HiddenField
- HyperLink
- Image
- ImageButton
- ImageMap
- Label
- LinkButton
- ListBox
- Literal
- Localization
- MultiView
- Panel
- PlaceHolder
- RadioButton
- RadioButtonList
- Substitution
- Table
- TextBox
- View
- Wizard
- Xml

Design Split Source

Output

Show output from: Debug

The thread 0x5fb4 has exited with code 0 (0x0).
The thread 0x3d14 has exited with code 0 (0x0).
The thread 0xec8 has exited with code 0 (0x0).
The program '[19696] iisexpress.exe' has exited with code 0 (0x0).

OnlinePMOPortal

Solution Explorer

Search Solution Explorer (Ctrl+;) Solution 'OnlinePMOPortal' (1 of 1 project)

- OnlinePMOPortal
 - Bin
 - roslyn
 - Microsoft.CodeDom.Providers.DotNetCompilerPlatform.dll
 - Admin.aspx
 - Admin.aspx.cs
 - AdminHomePage.aspx
 - AdminHomePage.aspx.cs
 - LoginPortal.aspx
 - LoginPortal.aspx.cs
 - packages.config
 - User.aspx
 - User.aspx.cs
 - UserHomePage.aspx
 - UserHomePage.aspx.cs
 - Viewer.aspx
 - Viewer.aspx.cs
 - ViewerHomePage.aspx
 - ViewerHomePage.aspx.cs
 - Web.config
 - Web.Debug.config

Properties

DOCUMENT

ASP.NET

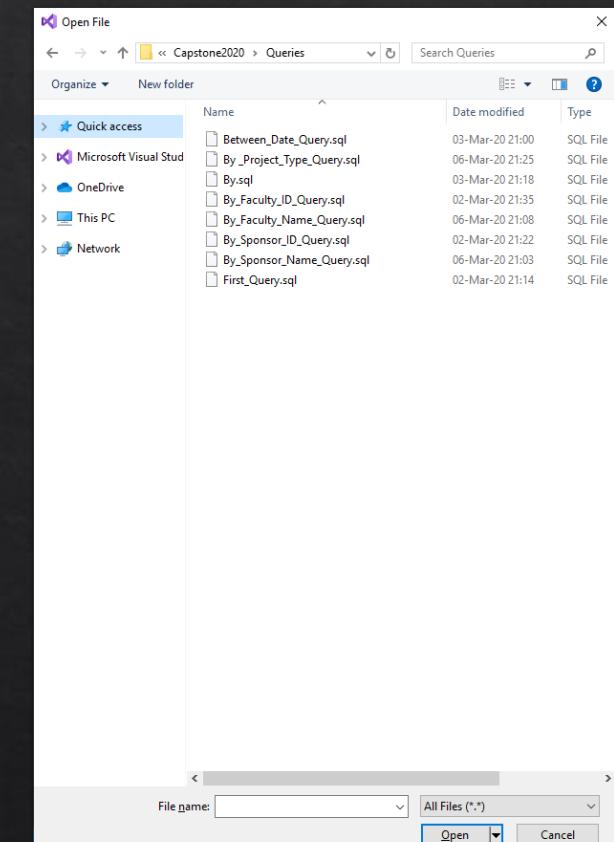
Culture

Debug

ASP.NET

SQL Server Object Explorer Server Explorer Toolbox Error List Data Tools Operations Code Definition Window Output Add to Source Control

SQL Scripts



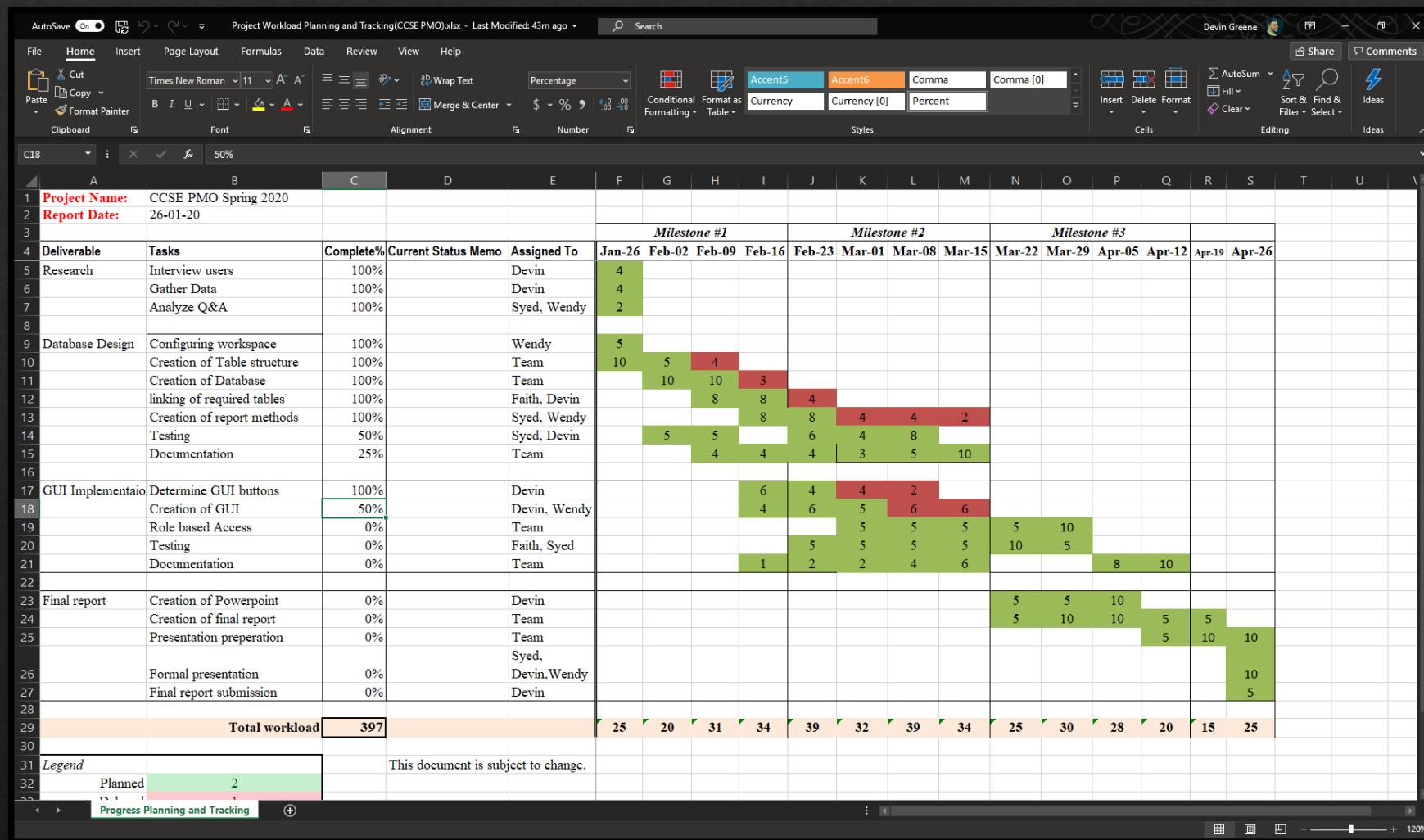
The screenshot shows the Microsoft Visual Studio interface with a 'Query Editor' window. The top part displays a SQL script named 'By_Project_Type.Query.sql'. The bottom part shows the results of the query execution, which returns four rows of data from a table with columns 'Proj_Type', 'Faculty_Name', 'Sponsor_Name', and 'Student_Name'.

Proj_Type	Faculty_Name	Sponsor_Name	Student_Name
CP-U	sampleName	sponsorName1	studentName1
CHG	sampleName	sponsorName2	studentName2
RS-G	sampleName	sponsorName3	studentName3
CP-U	sampleName	sponsorName4	studentName4

The screenshot shows the Microsoft Visual Studio interface with a 'Query Editor' window. The top part displays a SQL script named 'Between_Date_Query.sql'. The bottom part shows the results of the query execution, which returns two rows of data from a table with columns 'Proj_Type', 'Faculty_Name', 'Sponsor_Name', and 'Student_Name'.

Proj_Type	Faculty_Name	Sponsor_Name	Student_Name
CP-U	sampleName	sponsorName1	studentName1
CHG	sampleName	sponsorName2	studentName2

Gantt Chart



Project Experience

- ❖ Challenges:
 - ❖ Creating Organized and intuitive GUI's
 - ❖ Implementing Role Based Access concepts in SQL
 - ❖ Joining three or more tables in a SQL query
 - ❖ Database layout to facilitate the Joining of multiple tables
 - ❖ Understanding how to best manipulate PDFs in a database
 - ❖ Deciding between an in app or web-based GUI
- ❖ Lessons:
 - ❖ How to join four or more tables in SQL
 - ❖ Different options for Roles Based Access in SQL

Milestone 3: Phase III Planning

- ❖ Pair reporting queries and GUI buttons
- ❖ Implement Roles Based Access Control
- ❖ Implement handling of PDFs
- ❖ Creation of Final Presentation
- ❖ Implement Testing
- ❖ Final Documentation
- ❖ Prepare for Final Presentation

Other Issues

- ❖ Distribution of roles – In Progress
- ❖ Handling of PDFs in SQL – in progress
- ❖ Implementing RBAC in a potentially changing system – in progress