

Project Proposal

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CSC318 - Software Engineering Principles

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University of Advancing Technology

Description

We have decided to name the project and app TherapyBuddy since we're focusing on tackling a rather specific problem. Altogether, the goal of this project is to accurately be able to query against a database to see if information is missing from it. Here is the scenario we used:

"My wife works as a Massage Therapist at a company, where she is also a "Lead". What this means is, she has to on a regular basis perform Queries against a database they use within the company. So for now we will need to create our own database to try and reproduce to the best of our abilities a replica of theirs, I will gather as much information as possible.

What's the purpose? Each therapist has to write up what they call Soap notes after each massage on a client. This allows the next therapist to know certain things like pressure the client likes, their comforts and whatnot.

Soap Notes are required by law, and so my wife is tasked with checking a list of therapists against a list of all massages performed, she has to check the client and see who massaged them, and then check if notes were completed for that specific massage. If they were not completed she has to create a list of the people and post this at work."

In order to add onto this further, it needs to be in a form format so that it's easy for the end user to use. We also want to integrate sending emails directly in the C# code in order to automate the notification process.

Features

1. Performs Queries against SQL database.
2. Evaluates Queries and returns results.
3. Automatically notify team members in email (or some other way) about missing soap notes.

Technologies

Project Name: TherapyBuddy

Languages: C# and SQL

IDE: Visual Studio (C#) and Workbench (SQL)

Repository: [GitHub](#) (May need to be given access)

Scheduling Software: Asana (I invited you to the project so you can follow along as well)

Proposed Sprints

Sprint 1

Ryan

- Build out the tables in SQL

Stephen

- Build and Test Connection Class C#

- Establish Github, VS Project, database hosting

Yasmin

- Build out forms for the UI.

Sprint 2**Ryan**

- Build out interface classes.
- Tie UI to main functionality classes.

Stephen -

- Build and test Input Handler class C#
- Assist in data entry for database population

Yasmin

- Pull queries directly from the database.
- Evaluate the 2 queries to test that we're pulling the same information.

Sprint 3**Ryan**

- Build and test email notification system.

Stephen

- Build and test Evaluation class C#
- Finalize programming, test all functions

Yasmin

- Finalize UI.
- Tie Evaluation class into the UI.

Project Schedule

Sun	
21	
RB	Project Proposal
so	✓ Language
so	✓ IDE
RB	✓ Features
RB	✓ Project Name
so	✓ Class Design - UML
Show less	
28	
so	Set up Private Github for VS Project
so	Set up C#Project in VS
so	Set up Private MySQL Server
RB	Build Tables
so	Build/Test Connection class (C#)
Show less	
4	
RB	Build out interface classes.
RB	Tie UI to main functionality classes, (C#)
so	Build/Test Input Handler class (C#)
so	Assist in data entry for database population.
RB	Assist in data entry for database population.
ya	Pull queries directly from database.
ya	Evaluate queries to test information being pulled is similar.
Show less	
11	
RB	Email Notification Buildout (C# and SQL)
so	Build/Test Evaluation class (C#)
so	Finalize programming/Test functions.
ya	Finalize UI.
ya	Tie Evaluation class into UI.
Show less	
18	Project Due

All schedule information is subject to change. All due dates show at the end of the week, but the work will be conducted by each member on their free time during the week.