

Code Review for Lab 7 – SQLite-Net ORM

CS235AM, Intermediate Mobile App Development: Android

Developer (person who wrote the code)	Robert Moore
Developer's assignment group (A, B, or C)	A
Reviewer	Robert Moore
Date	11/15/2018

Instructions

A reviewer will fill out the "Beta" column of this form for the developer. (The reviewer will need a copy of the developer's lab instructions.) Next, the developer will revise their code based on the review. After revising their code, the developer will fill out the "Release" column of this form to indicate what they have changed.

Part 1 – SQLite stock application		
Criteria	Beta	Release
Is there a document containing screen-shots of the app running?		yes
From the screen-shots, is it apparent that the app ran correctly?		yes
Comments:		

Part 2, All Assignment Groups: Tide Prediction App		
UI	Beta	Release
<i>First Activity</i>		
Is there either a Spinner or a ListView for selecting the tide station location?		Yes
Is there a DatePicker for selecting the date? DatePicker spinners are deprecated. So a spinner was used.		See Note
Is there a button for showing the tide predictions?		yes
<i>Second Activity</i>		
Is there a ListView for showing the tide predictions?		yes

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Part 2, All Assignment Groups—Continued		
<i>Implementation</i>	<i>Beta</i>	<i>Release</i>
<i>DAL</i>		
Is there a separate Library project?		yes
Does it build without errors?		yes
Does it contain the SQLite.cs file?		see note
No there is a sqlite-net-pcl NuGet Package		
Does it contain a data model for the SQLite.NET ORM containing properties for: <ul style="list-style-type: none"> • A primary key (could be a sequential int ID, or it could be the Date + Time) • Date (using a number or text) • Time • High or Low • Height (in either ft., cm or both) 		yes
<i>Console App</i>		
Is there a separate Console project?		yes
Does it build without errors?		yes
Does it parse at least 3 tide prediction files you downloaded from NOAA?		yes
Does it put the tide predictions into an SQLite database file?		yes
<i>Android App</i>		
Is there a separate Android project?		yes
Does it build without errors?		yes
Is the SQLite database file copied from the Assets folder to an appropriate location?		yes
<i>First Activity:</i> Are the Location and Date sent in an intent to the second activity?		yes
<i>Second Activity:</i> Does it query the database for tide information based on: <ul style="list-style-type: none"> • Location • Date 		yes
<i>Comments:</i>		

Part 2, Group A: Tide Prediction App		
<i>Requirements for Assignment Group A</i>	<i>Beta</i>	<i>Release</i>
Is the data parsed from a tab separated value file?		No
Data is pulled from SQLite DB		
Is the time stored in the database in a string field?		No
Its stored in a long field		
Is the date stored in a separate field as a string?		No
When we need it as a string we create a new DateTime and pass the long into it, then dump the shortString()		
Is time displayed in 12-hour format with am/pm?		Yes
Is tide height displayed in cm?		... No
Tide Height is in FT as listed in the instructions....		
<i>Comments:</i>		

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Complete the Programming Practiced and Style section on the last page

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Part 2, Group B: Tide Prediction App		
<i>Requirements for Assignment Group B</i>	<i>Beta</i>	<i>Release</i>
Is the data parsed from an XML file?		
Are the date and time stored as ticks in the database in a single integer type field?		
Is time displayed in 12-hour format with am/pm?		
Is tide height displayed in feet?		
<i>Comments:</i>		

Part 2, Group C: Tide Prediction App		
<i>Requirements for Assignment Group C</i>	<i>Beta</i>	<i>Release</i>
Is the data parsed from a tab separated value file?		
Is the time stored in the database in a string field?		
Is the date stored in a separate field as a string?		
Is time displayed in 24-hour format?		
Is tide height displayed in inches?		
<i>Comments:</i>		

<i>Programming practice and style for the whole solution</i>	<i>Beta</i>	<i>Release</i>
Is proper indentation used?		Yes
Are the UI elements and the variables named descriptively?		yes
Have any unnecessary lines of code or files been removed?		yes
Are there explanatory comments in the code?		yes
Do variable names use camelCase?		yes
Are methods named using PascalCase (aka TitleCase)		yes
Are named constants used (in ALL_CAPS) instead of repeated literal constants?		yes
Is the code DRY (no duplicated blocks of code)?		yes
Is any computational logic in its own class (separated from the UI code)?		yes
Comments:		