



## INTERMEDIATE MOBILE APPS ASSIGNMENT THREE



### *100 Points*

For this assignment you will need to create a Maui Forms mobile application to consume and update the API you created in the first two assignments. To receive full credit you will need to:

- Create a shell app, complete with a flyout menu and a tab bar on the bottom. The flyout and the tabs should have icons on them that you choose. Research to determine the rules for icons on the two platforms.
- The application needs to utilize MVVM with dependency injection and IoC such that the data from the API is consumed and updated via service classes with interfaces injected into the view models.
- Use shell navigation with modal screens for any data input. Modal screens will need to have an “Ok” and a “Cancel” button to exit the screen.
- The application should have the ability to:
  - Retrieve the entire list of objects from the database table.
  - Retrieve a single object by Id.
  - Update an existing object.
  - Delete an object.
- Upon editing/adding/deleting objects, the master list should be updated to reflect the changes.
- The items in your database should either have an image to represent them visually (album cover, company logo), or a diagram/logo. If this does not currently exist in your data model, you will need to add it.

Feel free to reach out to me if you have questions or run into problems. Also make use of the class videos if need be. The Microsoft Maui docs are also a good source of information.

