Title: MTD367 ECA

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Question 1

a)

**I will be choosing category 2: CodeFreeSchools to build the project.**

ai)

There are many frameworks present in the iOS SDK and after analyzing them, I have considered the following suitable frameworks that can be applied for the development of the application project that I will be building for this ECA.

The suitable frameworks that can be considered are AVFoundation, AVKit, CoreData, UIKit.

The 2 key frameworks that I will be using for the project are:

1. UIKit

- The UIKit framework would provide the required infrastructure for my iOS apps such as the window and view architectures for implementing the interfaces in my app and for event-handling. I would be able to utilize UIKit’s provided classes such as UIViewController to manage my app’s data and resources such as managing the life-cycle events to dynamically render different displayed information to the user. It would also provide me with all the essential classes required for user interactions such as when the user presses a button to sign up, login or to submit a review.

2. AVFoundation

- The AVFoundation framework would allow me to display media playback such as videos that can be embedded into the app. This is useful for developing the app for the ECA project as videos would have to be shown as learning content for the different courses that the users select. For example, when a user selects “Beginner Python” course, he will be able to play and watch a video that teaches him the basics of Python.

aii)

Wireframing drawn up on Miro, pasted as a screenshot.

Diagram

Description automatically generated

b)

Code files located within the zip submitted on Canvas.