Mock Assignment answers: K D S Thanumi- iAMDT.2960

Task-1:

a. By considering the scenario mentioned in the question, the app should be worked on both in ios and android device. Since already there is an existing website as well, I choose PWA (progressive web app) framework for John's project.

b. Native apps and Hybrid Apps.
    1. Native: Native apps, also known as platform-specific or device-specific, are built using the programming language that a platform provides (Objective-C for iOS and Java for Android). If you want to have your app in both Android and iOS, you would have to build your app in two separate programming languages.
    2. Hybrid: Hybrid apps are coded with web-based technologies, like HTML, CSS, and JavaScript. The resulting app can usually be found on Apple App Store or Google Play Store by searching for the name or URL of the website it's based on. What makes them "hybrid" is that they use web views to present their content — think of them as mini-browser windows inside your mobile application.

c. Since it is mentioned in the question as John Doe needs to build an app for an existing website and run it on both iOS and Android devices, this app should be a mix of Native and Hybrid apps. Since the John can invest a lot as well in this, I chose PWA as the suitable framework.

d. Online bidding feature for buying the music which will help to improve the demand for his products.

e. Spotify / SoundCloud / HDtracks / Amazon Music:
    There are lots of online marketplaces such as the mentioned examples for the same purpose but not virtual store fronts as much like John's project.