**QUESTION 1.2**

**What is cross-platform development?**

Cross-platform development is a method in which one codebase can be run on more than one operating system, such as Android and iOS, through the assistance of integration frameworks like Flutter or React Native (Singh and Singh, 2025). It is a time and cost saver in development, offers feature and integration consistency, and is less maintenance-intensive, as changes or corrections are made once (Singh and Singh, 2025). For the Emergency SOS Services app, cross-platform development allows both Android and iOS users to enjoy the same features in the same manner, which keeps the project timeline and budget intact.

**How will cross-platform development contribute to meeting our project timeline?**

Cross-platform development keeps the project timeline extremely short. As the team only needs to write and test one codebase, the development time is shorter than if individual native apps needed to be written (Mărcuță, 2025). All platforms can also be updated, debugged, and feature-added simultaneously, which eliminates delays (Mărcuță, 2025). In terms of the Emergency SOS Services app, this equates to basic features like sending alerts, sharing the location, and notifying emergency contacts being delivered more quickly, allowing the project to meet the 12-month cycle and monthly milestones deadlines comfortably.

**REFERENCES**

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* Singh, M.P. and Singh, M.P. (2025) 'Top 7 Ways Cross-Platform App development saves costs,' *EngineerBabu Blog*, 11 April. <https://engineerbabu.com/blog/how-cross-platform-app-development-saves-costs/#:~:text=Cross-platform%20app%20development%20has%20become%20a%20strategic%20approach,by%20utilizing%20a%20single%20codebase%20across%20multiple%20platforms>. [Accessed 22 September 2025]