

INSY6212 ASSIGNMENT 2

HEALTH & WELLNESS SUPPORT

PROJECT LUMOS

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QUESTION 1

1.1) A project evaluation form is a tool used in project management to assess a project's effectiveness by collecting data and feedback on performance (Eby, 2022). It is important as it provides a structured way to evaluate the project's success, identify strengths and weaknesses, and identify areas for improvement (PMO Team, 2025).

It is essential to have a project evaluation form for our health and wellness support application, LUMOS, for the following reasons.

- ❖ **Assessing Impact:** Once LUMOS is deployed, the project evaluation form can be used to gather data and feedback that will determine if the project is meeting its objective of providing users with local healthcare resources and other medical services. The form will help measure the success of the project, its relevance and overall impact.
- ❖ **Identifying Areas of Improvement:** The form will highlight areas where LUMOS may fall short in terms of project management – including timeline delays, budget allocation and resource management (Key, 2024). Therefore, the LUMOS team can make adjustments to the project strategy and manage the project more efficiently.
- ❖ **Stakeholder Inclusivity:** By reaching out to various local communities and using the project evaluation form to gather their input, LUMOS can better understand the specific healthcare and resources needs of their target market (PMO Team, 2025). The form ensures that everyone is involved in the project development to meet the user's real needs and creates a structured way for stakeholders to be actively involved in the process.

1.2) Cross-platform development is a software development approach that allows for applications to be compatible with multiple operating systems (e.g., Android, iOS). LUMOS has chosen to take a cross-platform development approach, meaning the application can be run on a variety of mobile operating systems and not just a specific OS (Awati, 2023).

Cross-platform development will not only increase the accessibility of LUMOS but will also assist in the development of the application, more specifically streamlining the project timeline. With a cross-platform application, developers can write source code once that can be shared across multiple OS platforms – meaning that developers need to code mobile assets only once (Awati, 2023). As a result of using a single codebase, code reusability eliminates the need to separately code for each OS, which would also eliminate the need for multiple bug fixes – making the development process faster and more efficient, saving time in the project timeline (Cameron, 2024).

Despite the benefits of cross-platform development proposals, there are a few risks associated with this trend:

- ❖ Cross-platform applications often experience performance glitches as they cannot use all the special features of mobile devices (e.g., advanced graphics), which may also affect ensuring consistent user experiences on all platforms (Awati, 2023).
- ❖ Maintaining the code across the multiple platforms is complex as developers will have to individually deal with platform-specific issues and features (Linkedin.com, 2023).
- ❖ Cross-platform applications may not work as fast as native-apps as cross-platform apps have an extra layer of abstraction that can slow them down, especially when they want to use a special feature of the device (Cameron, 2024).

However, cross-platform development will also benefit LUMOS by enhancing user experience and usability:

- ❖ Cross-platform development will ensure that there is consistent user-experience across all devices and platforms. This means that despite the user's device, the interface/design, functionality and performance of LUMOS will remain consistent (Edwards, 2024). This is important for LUMOS as their local target market will have various devices, and to ensure that the application can benefit the community, it needs to be accessible across all devices and platforms – without discriminating against operating systems and device functionality.
- ❖ Cross-platform development promotes seamless navigation across all types of operating systems. This means that the user can easily navigate the application despite the device or OS they may use as it will all feel familiar and consistent (Aleksandr Burenko, 2024). This is important for LUMOS as the application needs to be easy-to-use in case of emergency – for example, if the user needs to contact emergency services, they don't need to waste time figuring out how to use the application.
- ❖ Cross-platform development will allow LUMOS developers to easily manage system updates. Developers can make changes to the app once and those updates will be reflected on all platforms, enhancing usability and ensuring fairness across all operating systems (Aleksandr Burenko, 2024).

1.3) Selected Project: Health and Wellness Support (LUMOS)

Deliverables for LUMOS that form part of our project charter:

1. Requirements Specification Document
2. UI/UX Design Wireframes

- 3. Cross-Platform Application Development**
- 4. Testing and Quality Assurance**
- 5. Deployment and Training**

QUESTION 2

Available on GitHub repository: <https://github.com/Asanda-D/Lumos-Health-and-Wellness.git>

QUESTION 3

Available on GitHub repository: <https://github.com/Asanda-D/Lumos-Health-and-Wellness.git>

QUESTION 4

Available on GitHub repository: <https://github.com/Asanda-D/Lumos-Health-and-Wellness.git>

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