

LSEP (Legal Compliance, Social Impact, Ethical Guidelines, Professionalism)

The development and deployment of this food ordering and management system extend beyond technical execution and user experience. The system must comply with relevant laws and regulations, uphold ethical practices, and contribute positively to all stakeholders.

- Legal compliance

This system follows the Personal Data Protection Act (PDPA) to ensure user data privacy and that all users are verified and operate legally. Complying with PDPA helps protect users' personal and payment information from unauthorized access (PwC, 2010). Other than that, the Terms of Service will be stated clearly for ordering issues and refunds.

- Social impact

The purpose of this system is to reduce food waste by allowing vendors to sell surplus food at lower prices. This not only provides affordable meal options for students but also supports local food businesses and promotes convenience for users.

- Ethical guidelines

The food ordering and management system promotes honesty and transparency in food listings and transactions, which helps prevent false advertising and fraudulent activities. This is to maintain confidentiality and prevent misuse of user data. Not only that, but the system also encourages ethical programming and originality in development.

- Professionalism

The system's development is guided by a core principle of creating a user-friendly, efficient, and well-documented system. The interface will allow customers to view all fees, taxes, and commissions clearly before checkout. Not only that, but platform errors are also addressed through immediate accountability and prompt resolution.

- Risk management

Potential risks such as data breaches, system downtime, or fraudulent transactions are addressed through strong security measures and regular monitoring. The system will also conduct regular backups to prevent data loss.

- Sustainability

The system includes online payment, which promotes eco-friendly practices and reduces paper usage through digital receipts. Other than that, it also helps encourage responsible food consumption to minimize waste. In turn, it supports long-term environmental and economic sustainability.

- Continuity

To ensure continuity of the system, it is designed for scalability and long-term maintenance with regular updates, support, and performance improvement. Moreover, proper documentation and version tracking also make it easier to maintain and improve the system without disruption.

Overall, integrating LSEP+RSC principles into the food ordering and management system ensures it remains legal, ethical, and sustainable for continuous use in the future.

Reference List

1. Midhun Mukundan (2024). Computer Vision and Legal, social, ethical and professional (LSEP) Issues and Challenges. Journal of Legal Ethical and Regulatory Issues. [Online] Available at: <https://www.researchgate.net/publication/386874772> Computer Vision and Legal social ethical and professional LSEP Issues and Challenges. [Accessed on: 27 October 2025]
2. PwC (2010). Personal Data Protection Act 2010 (PDPA). [Online] PwC. Available at: <https://www.pwc.com/my/en/services/assurance/pdpa.html> [Accessed on: 27 October 2025]