**Title:** Ethical Reflection – School Management System

Fairness

* **Equal Access**: All students are treated equally during registration, course enrollment, and library borrowing. Enrollment follows a first-come, first-served model, and waitlisting ensures fairness when capacity is full.
* **Objective Evaluation**: Academic performance is ranked based solely on recorded grades. The use of a priority queue ensures unbiased top-performer selection.
* **No Discrimination**: The system does not factor in personal attributes such as gender, ethnicity, or socioeconomic status in any decision-making process.

Privacy

* **Data Minimization**: Only essential student data (ID, name, grades, payments) is stored. No sensitive personal information (e.g., address, contact details) is collected.
* **In-Memory Storage**: All data is stored temporarily in memory and is cleared when the system shuts down. This reduces the risk of long-term data exposure.
* **Future Considerations**: If persistent storage is added, encryption and access control mechanisms should be implemented to comply with Kenya’s Data Protection Act.

Transparency

* **Clear Operations**: Students and administrators can view enrollment status, fee reports, and grade rankings through the system’s output. No hidden logic or manipulation is involved.
* **Auditability**: Fee payments and grade records are timestamped and retrievable, allowing for accountability and review.