

Data Access Decision Simulator

Organization: EduConnect Ghana

Role: DevOps Engineer

REQUEST 1 – Marketing Campaign

- **Decision:** Conditionally Approve
- **Lifecycle Stage:** Use (data already stored and being used for campaign execution)
- **Justification:** Email and phone numbers are classified as CONFIDENTIAL under company policy. Sarah has INTERNAL access only. Granting full database access violates the principle of least privilege and data minimization. Only necessary data should be provided.
- **Action Steps:** Provide limited dataset (names and emails only), exclude phone numbers unless justified, use time-limited secure export, enable logging, require deletion after campaign completion, consult DPO before release.

REQUEST 2 – Analytics Partnership

- **Decision:** Deny (Current Form)
- **Lifecycle Stage:** Share (external third-party data transfer)
- **Justification:** Request involves CONFIDENTIAL student profiles and cross-border transfer to a US-based company. Sharing AWS login credentials violates security best practices and least privilege principles. Ghana Data Protection Act requires lawful basis, cross-border safeguards, and formal agreements before data sharing.
- **Action Steps:** Do not provide database credentials. Conduct Data Protection Impact Assessment (DPIA), establish Data Processing Agreement (DPA), anonymize data before sharing, use secure API-based access, encrypt data in transit and at rest, obtain compliance approval before proceeding.

REQUEST 3 – Archive & Deletion (Right to be Forgotten)

- **Decision:** Approve
- **Lifecycle Stage:** Destroy (with limited archival if legally required)
- **Justification:** Under Ghana Data Protection Act, individuals have the right to erasure. The student has no outstanding payments and no regulatory obligations preventing deletion. Data retention must follow lawful and necessary principles.

- **Action Steps:** Verify identity of requester, confirm no legal retention requirement, delete profile, PII, grades, activity logs, remove credentials, mark backups for purge cycle, log deletion activity, send confirmation notice to student. Retain only legally required financial records if applicable.

Success Criteria Alignment

- Correctly applied data classification rules (PUBLIC, INTERNAL, CONFIDENTIAL).
- Identified appropriate lifecycle stages (Use, Share, Destroy).
- Demonstrated principle of least privilege in access decisions.
- Recognized compliance implications under Ghana Data Protection Act, including cross-border transfer risks and right to erasure.