**5. Regulatory & Compliance Mapping to Requirements**

**Purpose:** To ensure the solution aligns with legal, donor, and industry obligations — especially important when dealing with cross-border data flows or vulnerable populations.

**Key Elements:**

* **Legal & Jurisdictional Compliance:**
  + **GDPR** (if processing EU data or funding), **Kenya Data Protection Act**, HIPAA (for health), COPPA (if youth involved)
  + National ICT policies, health ministry standards, education data regulations
* **Donor-Specific Rules:**
  + USAID ADS Chapter 508 (data collection & reporting)
  + Gates Foundation or UNICEF open data and transparency standards
* **Sector Standards:**
  + Health: **OpenHIE**, HL7 FHIR, DHIS2 compliance
  + Education: EMIS interoperability
  + Agriculture: FAO/CTA data privacy best practices
* **Compliance Traceability Matrix:**
  + Map each requirement (functional, non-functional, data handling) to a specific compliance rule or standard
* **Data Transfer & Sovereignty Considerations:**
  + Rules on storing data in-country vs. cloud
  + Agreements or MoUs for data sharing across agencies or borders
* **Consent & Ethics:**
  + Informed consent templates, ethical approval processes for data collection