# **Concerns**

# System-level Concerns

These are concerns that influence the system as a whole and the ML component does not function differently than any other software component.

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# Component-level Concerns

These are concerns that involve the ML component, or components, which have significant non-local effects on the system.

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# System Environment Concerns

These concerns focus on how the system environment needs to be appropriately provisioned for, in particular, the ML function.

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# ML-Specific Concerns

These are concerns that are important to overall system success, but where the solution to these concerns lives primarily outside the decisions made for the software architecture. Such solutions are typically centered around the details of the functions of the ML components, and how they are envisioned, designed, and created.

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## Non-architectural Concerns

Does your system have requirements to meet some standards for fairness, privacy, or ethics? Are there regulatory considerations (e.g. GDPR) that constrain what kind of data can be collected or stored, or how it may be used? Are these concerns complex enough that they require their own components (or sub-systems) within the system? Are they handled within the model and data interfaces for the model?