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- A model is an abstract view of a system that ignores some system details. Complementary system models can be developed to show the system's context, interactions, structure, and behavior.
- Context models show how a system that is being modeled is positioned in an environment with other systems and processes.
- Use case diagrams and sequence diagrams are used to describe the interactions between the system being designed and users/other systems.
- Structural models show the organization and architecture of a system. Class diagrams are used to
 define the static structure of classes in a system and their associations.
- Behavioral models are used to describe the dynamic behavior of an executing system. This can be
 modeled from the perspective of the data processed by the system or by the events that stimulate
 responses from a system.
- Activity diagrams may be used to model the processing of data, where each activity represents
 one process step.
- State diagrams are used to model a system's behavior in response to internal or external events.
- Model-driven engineering is an approach to software development in which a system is represented as a set of models that can be automatically transformed to executable code.

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