

# Introduction to **SOFTWARE ENGINEERING**

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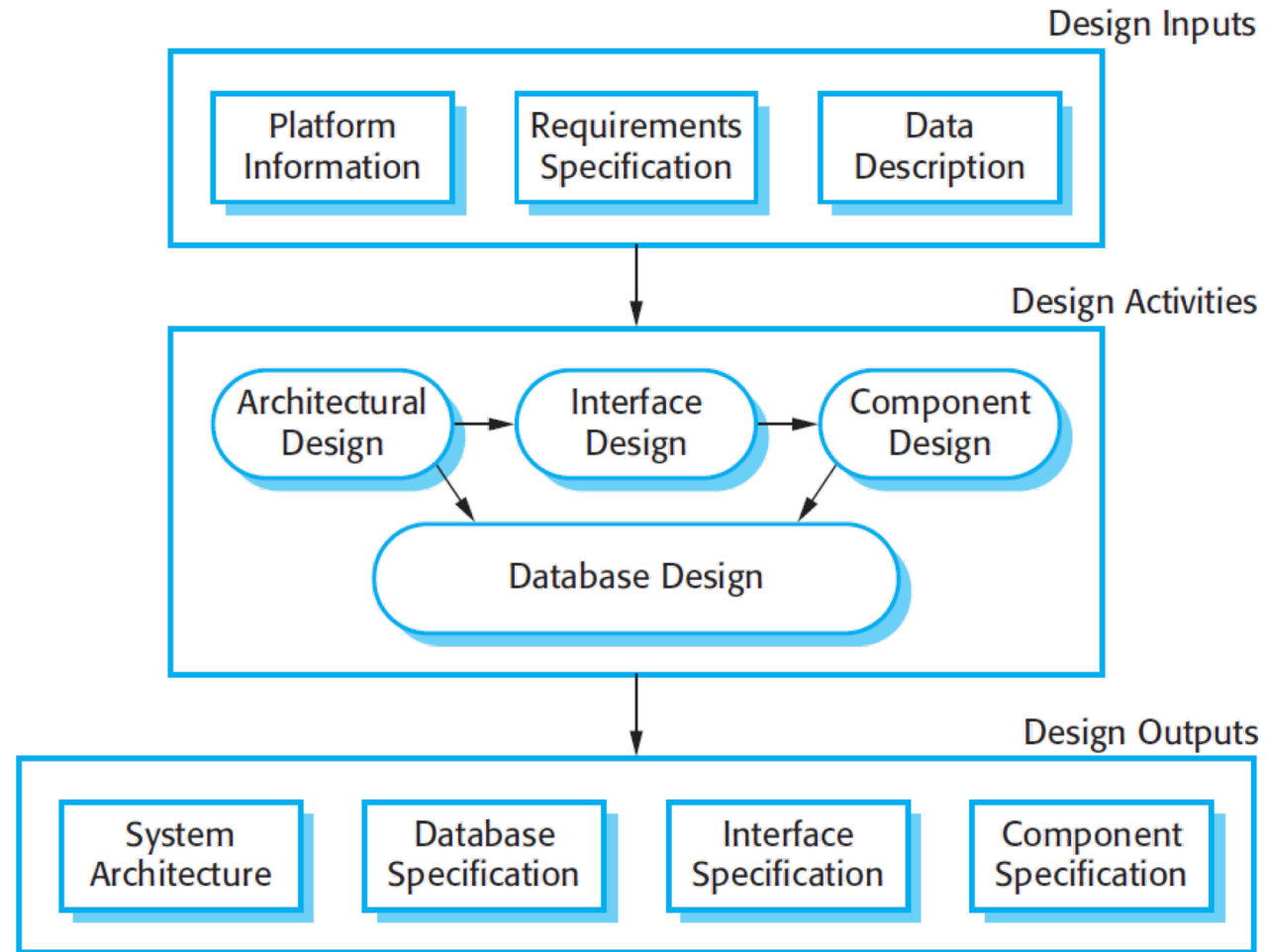
## Chapter 5.

# SOFTWARE DESIGN

# Software design

- Software design: Design a software structure that realises the specification;
- The activities of design and implementation are closely related and may be inter-leaved.

# A general model of the design process



# Design activities

- ***Architectural design***, where you identify the overall structure of the system, the principal components (sometimes called sub-systems or modules), their relationships and how they are distributed.
- ***Database design***, where you design the system data structures and how these are to be represented in a database.
- ***Interface design***, where you define the interfaces between system components.
- ***Component selection and design***, where you search for reusable components. If unavailable, you design how it will operate.

# Thanks for your attention!



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