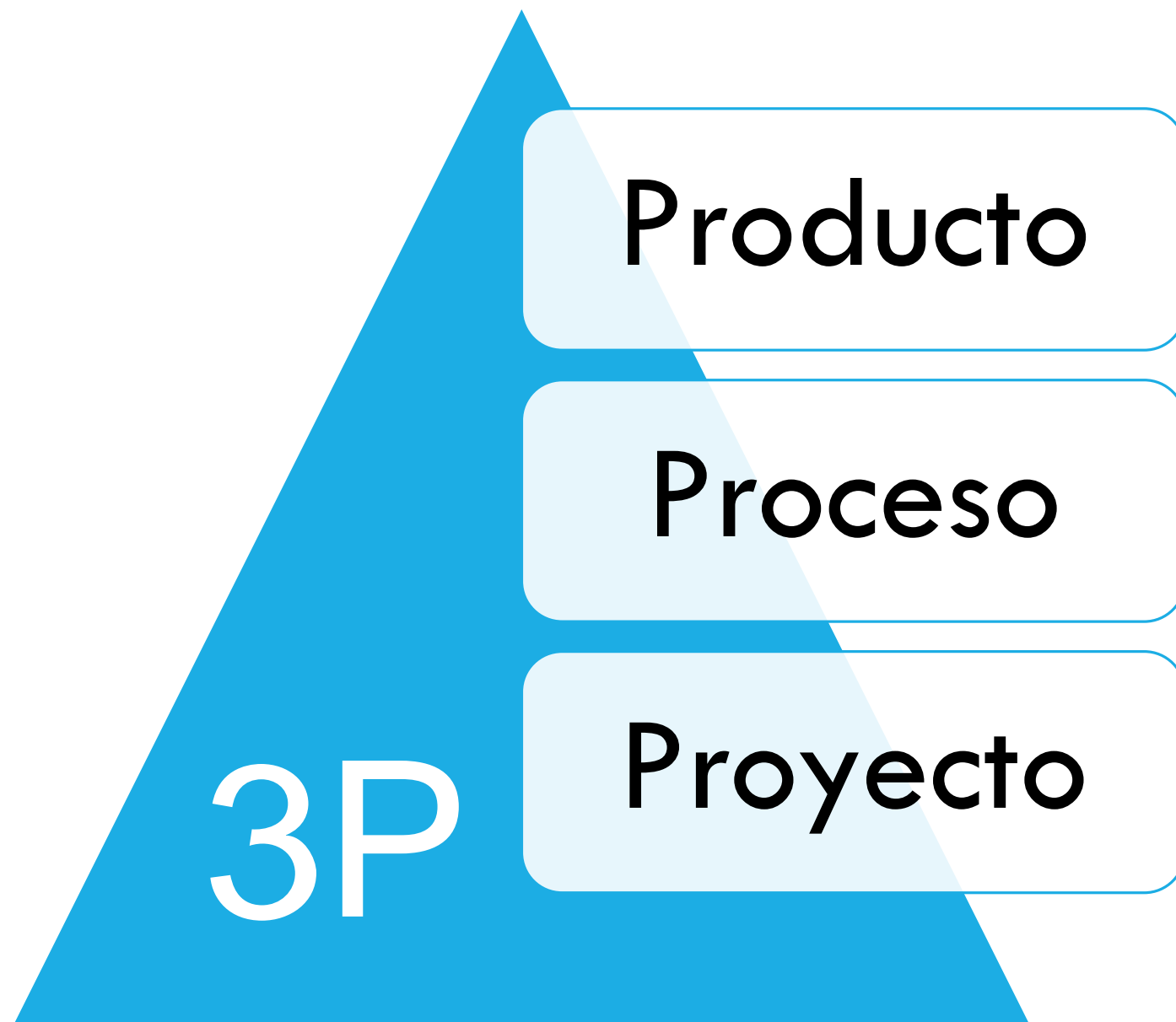
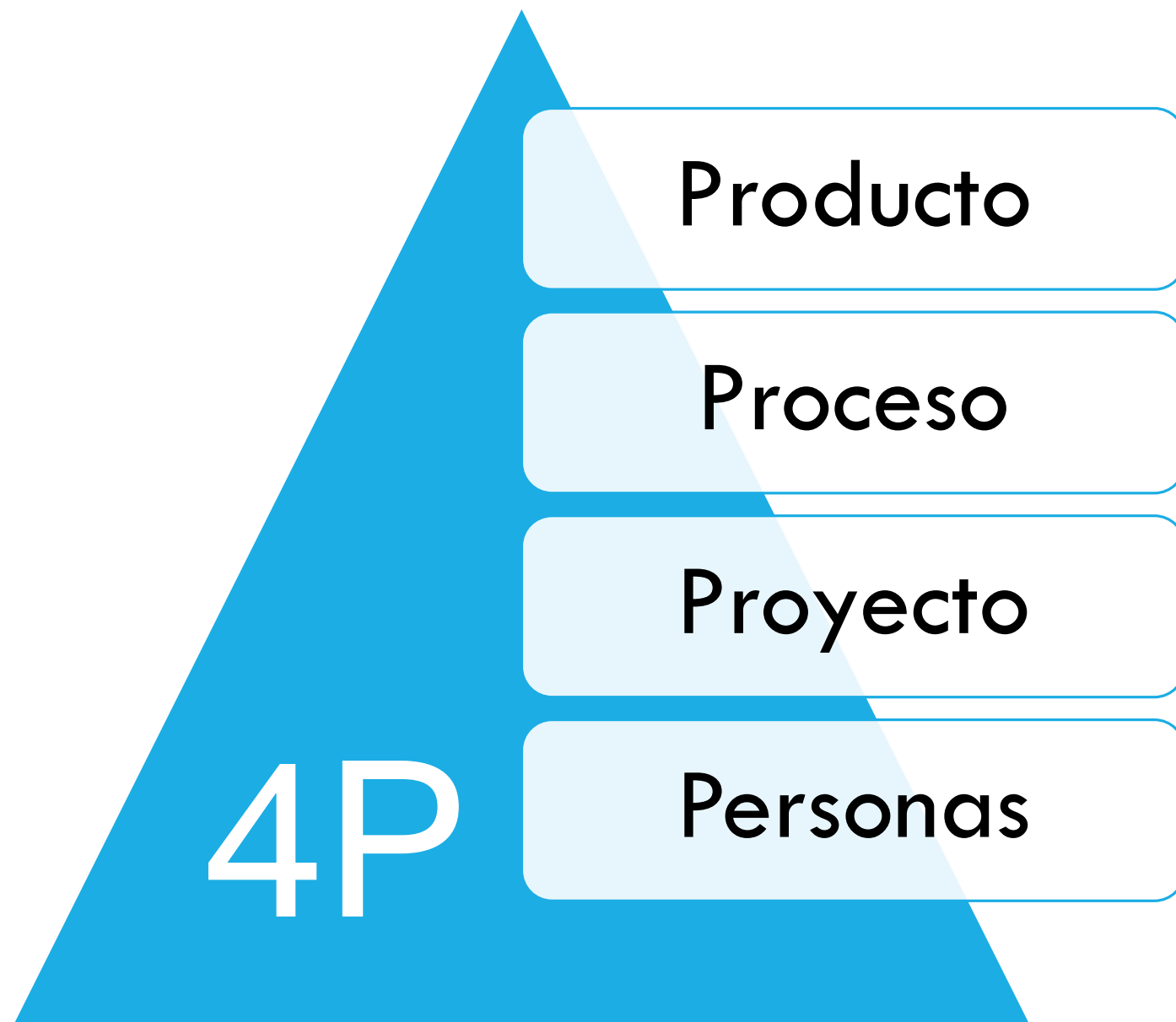


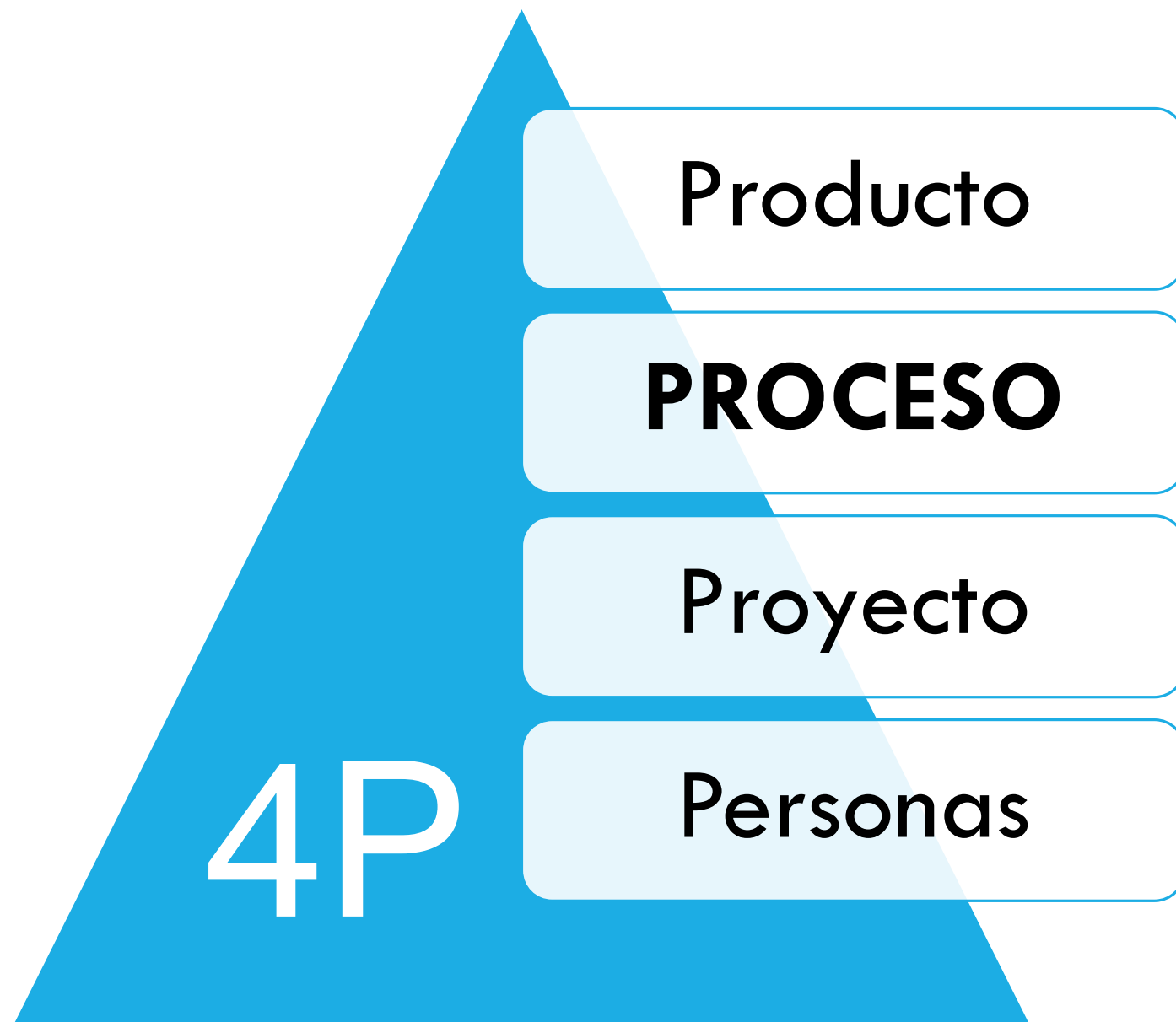


# SOFTWARE PROCESS

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Software 2







# THE SOFTWARE PROCESS

A structured set of activities required to develop a software system.

# THE SOFTWARE PROCESS

Many different software processes but all involve:

SPECIFICATION

DESIGN AND  
IMPLEMENTATION

VALIDATION

EVOLUTION



# SOFTWARE SPECIFICATION





How the customer explained it



How the Project Leader understood it



How the Analyst designed it



How the Programmer wrote it



How the Business Consultant described it



How the project was documented



What operations installed



How the customer was billed



How it was supported



What the customer really needed



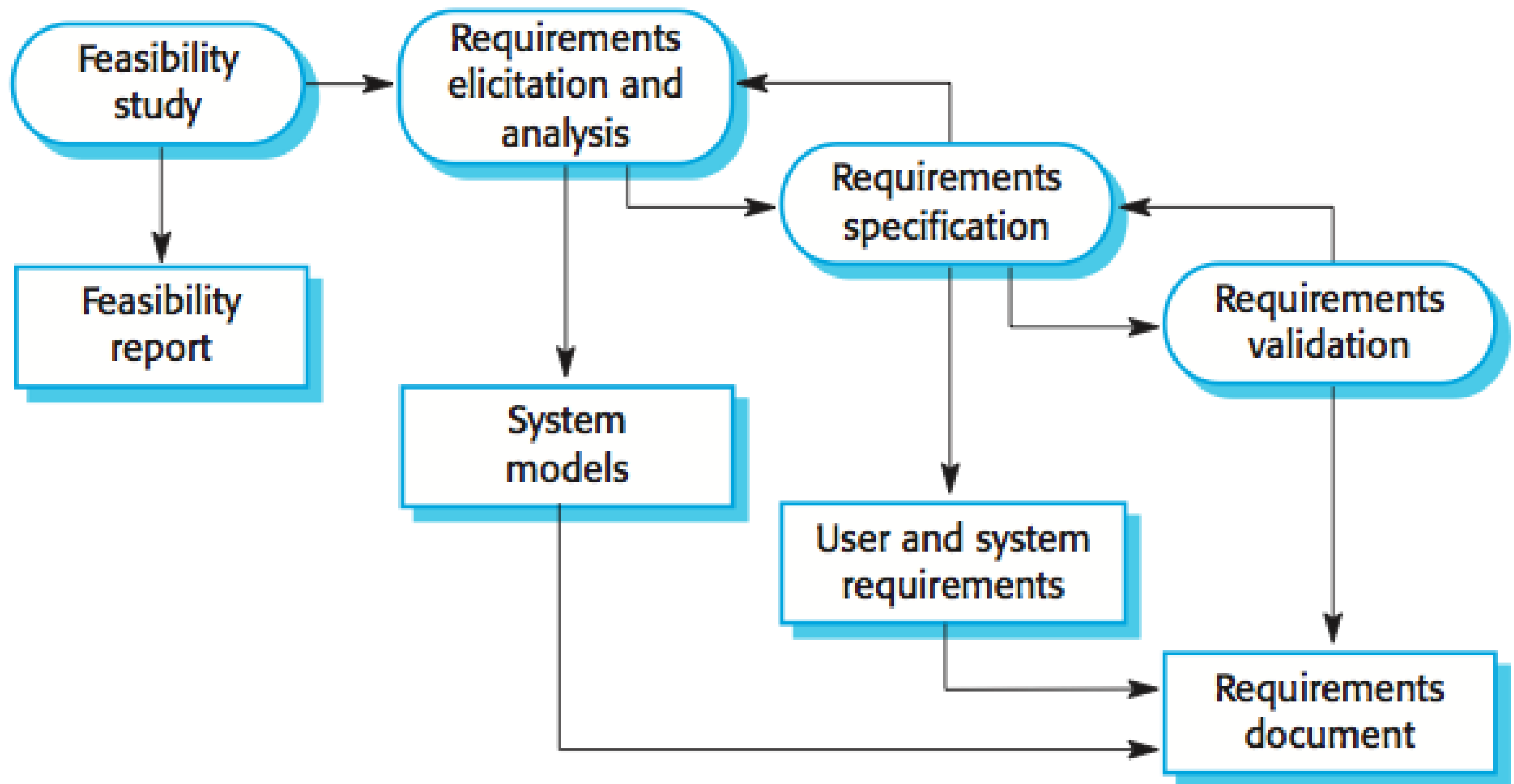



How the customer explained it



What the customer really needed

# THE REQUIREMENTS ENGINEERING PROCESS





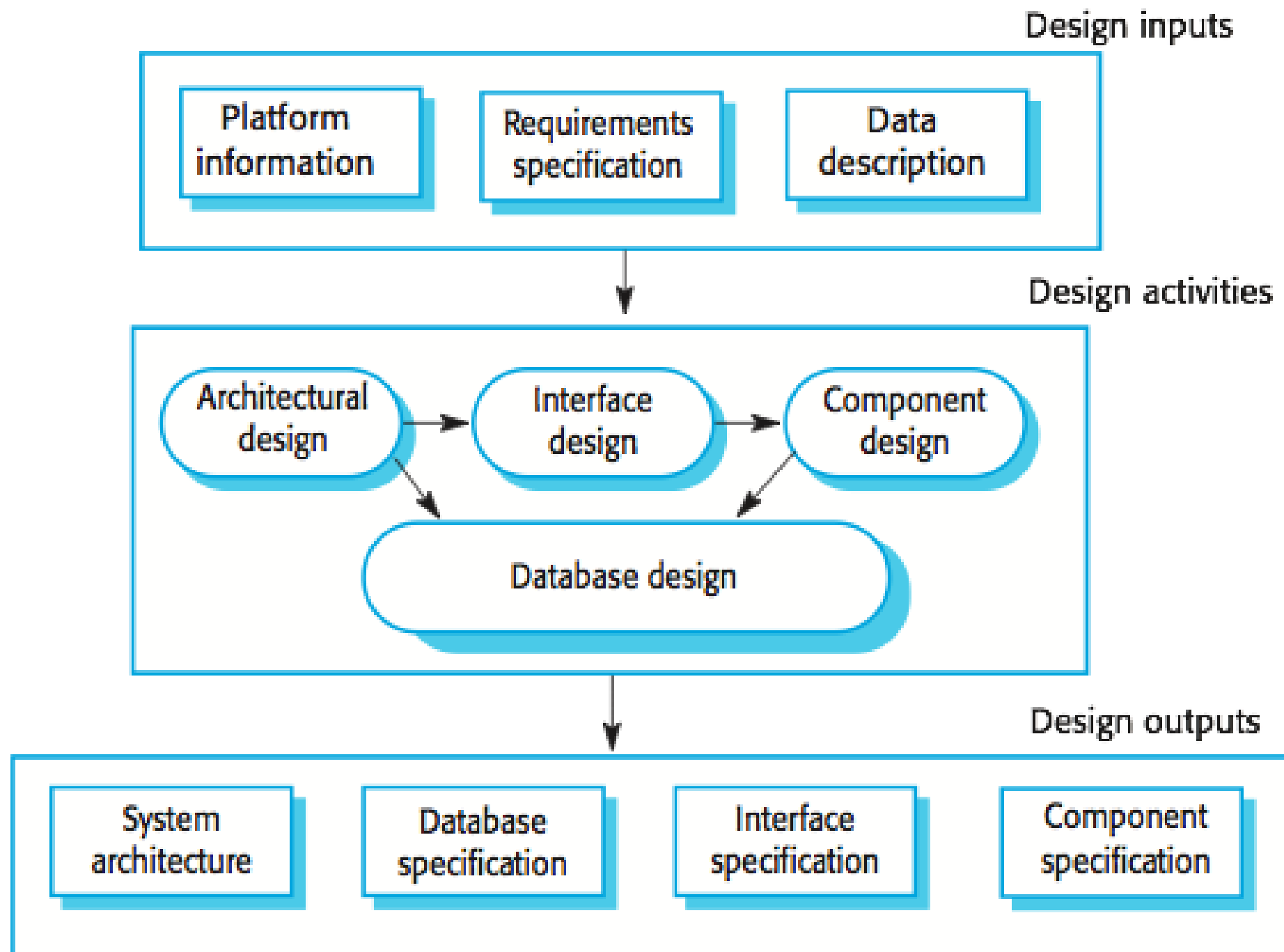
The background image is a grayscale, artistic photograph. It shows a close-up of a person's face, with their eyes looking down and slightly to the side. Their hands are visible, holding a pen and drawing on a piece of paper. The drawing appears to be a database diagram, with two rectangular boxes labeled 'USERS' and 'PRODUCTS'. The 'USERS' box contains the fields 'PK ID', 'NAME', and 'SURNAME'. The 'PRODUCTS' box contains the fields 'PK PID', 'PNAME', 'PDESC', and 'PCOL'. There are lines and arrows connecting these boxes, suggesting a database schema. The overall tone is professional and creative.

# SOFTWARE DESIGN AND IMPLEMENTATION

**Software design:** design a software structure that realizes the specification;

**Implementation:** translate this structure into an executable program;

# DESIGN PROCESS



# DESIGN ACTIVITIES

**Architectural design**

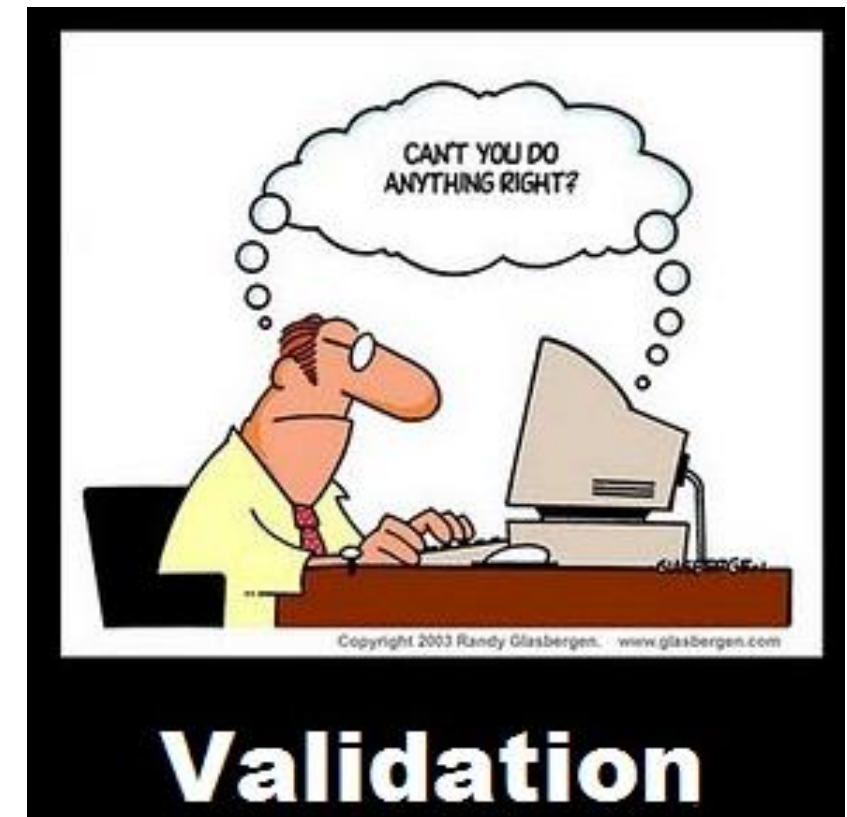
**Interface design**

**Component design**

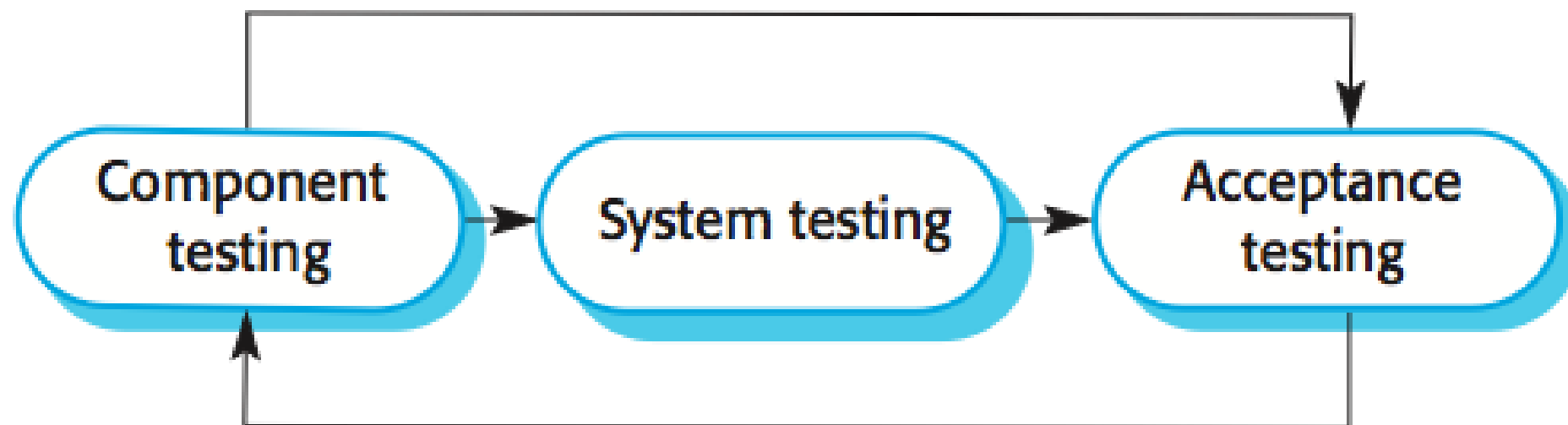
**Database design**

# SOFTWARE VALIDATION

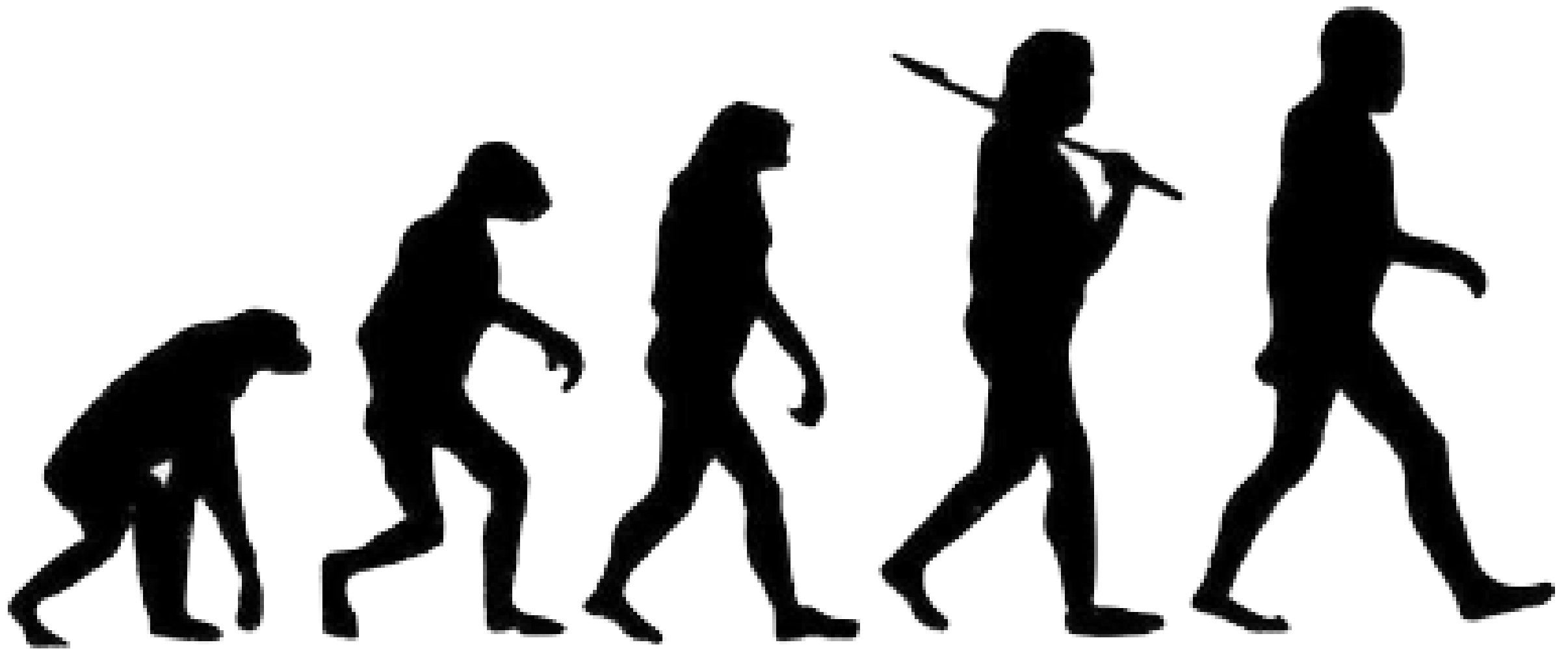
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# VALIDATION: STAGES OF TESTING

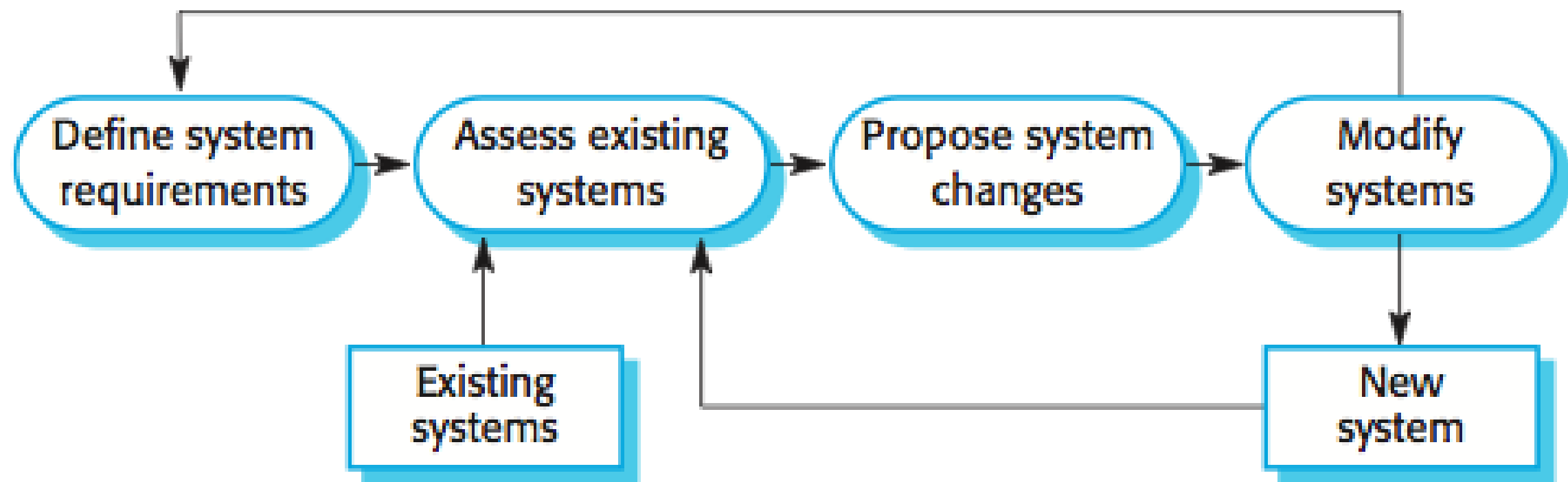






## SOFTWARE EVOLUTION

# SOFTWARE EVOLUTION





# SOFTWARE PROCESS

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