

Typology of Requirements

Requirements

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graph TD; Requirements[Requirements] --> UserRequirements[User Requirements]; Requirements --> ProductRequirements[Product Requirements]; UserRequirements --> RawNeeds[Raw Needs*]; UserRequirements --> InterpretedUsersReqts[Interpreted Users Reqts.*]; ProductRequirements --> TargetProductReqts[Target* Product Reqts.]; ProductRequirements --> ValidatedProductReqts[Validated (Final*) Product Reqts.];
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User Requirements

~ **Needs** or Customer Attributes*
or Scientific Requirements

Raw
Needs*

Interpreted*
Users Reqts.

Product Requirements

~ Functional Requirements*
or Systems Requirements

Target*
Product
Reqts.

Validated
(Final*)
Product
Reqts.

■ *Karl Ulrich, Steve Eppinger (2011) Product Design and Development. McGraw-Hill/Irwin

■ *Nam-pyo Suh (1990) Principles of Design. Oxford University Press