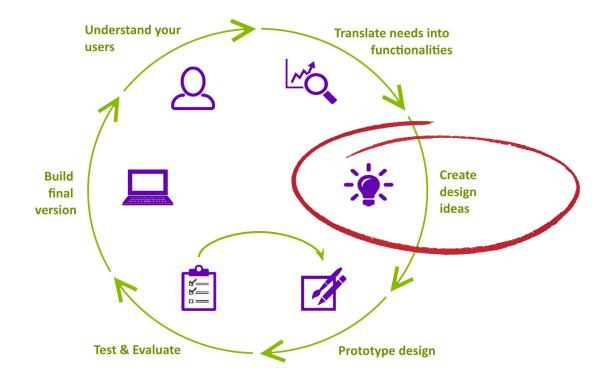
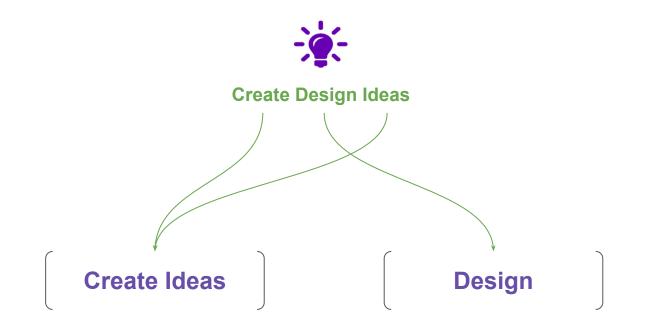
CS449/649: Human-Computer Interaction

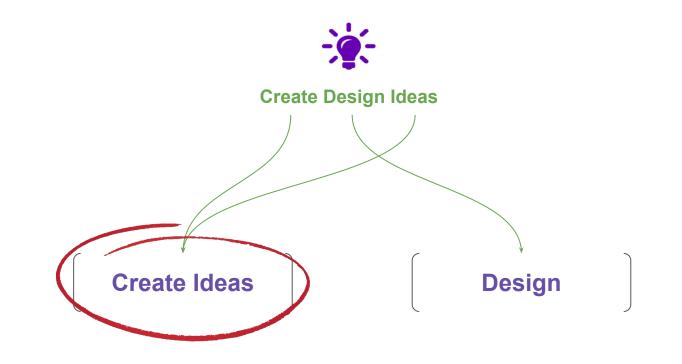
Spring 2017

Lecture VII

Anastasia Kuzminykh









Create Ideas

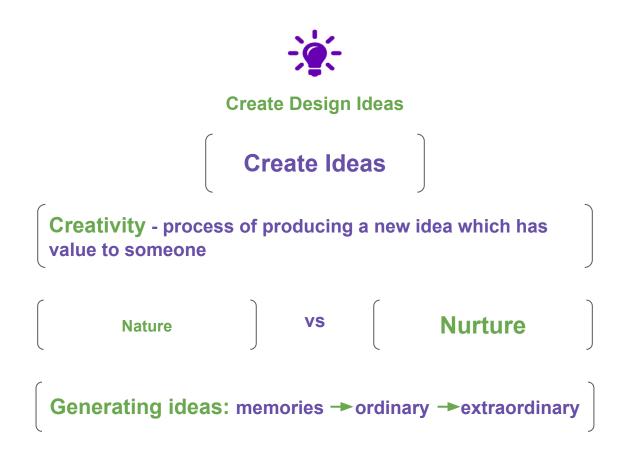
Creativity - process of producing a new idea which has value to someone

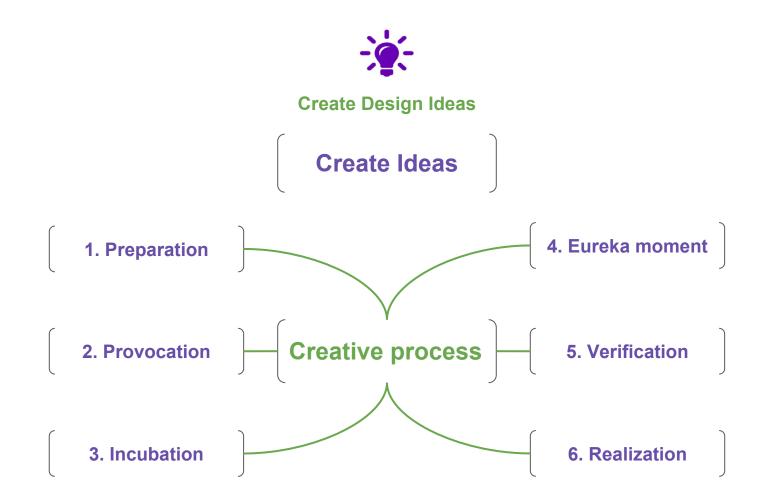


Create Ideas

Creativity - process of producing a new idea which has value to someone









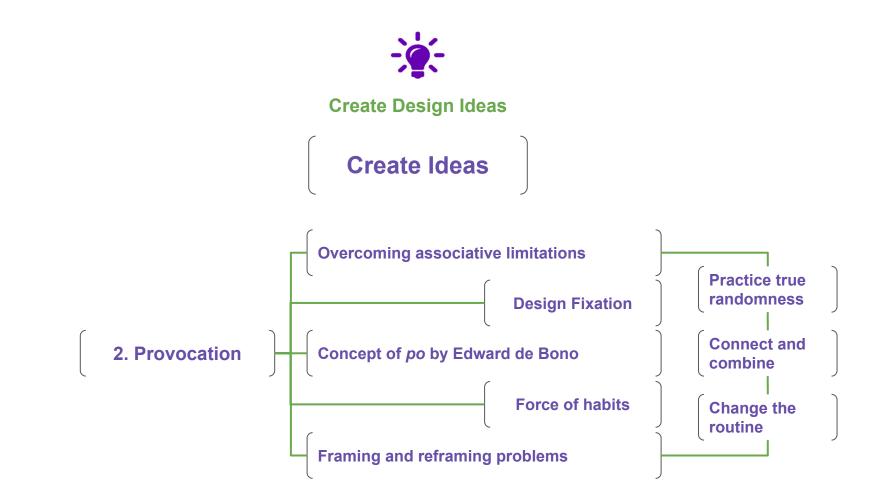
Create Ideas

 1. Preparation

 Define the constraints: goals, parameters of the challenge, resources, time

Knowledge and understanding around the challenge: both academic and casual

Challenge all the assumptions







Different aspects of creativity require different brain activity

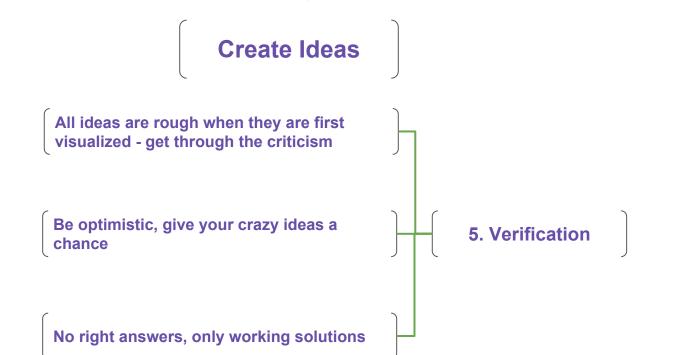
3. Incubation

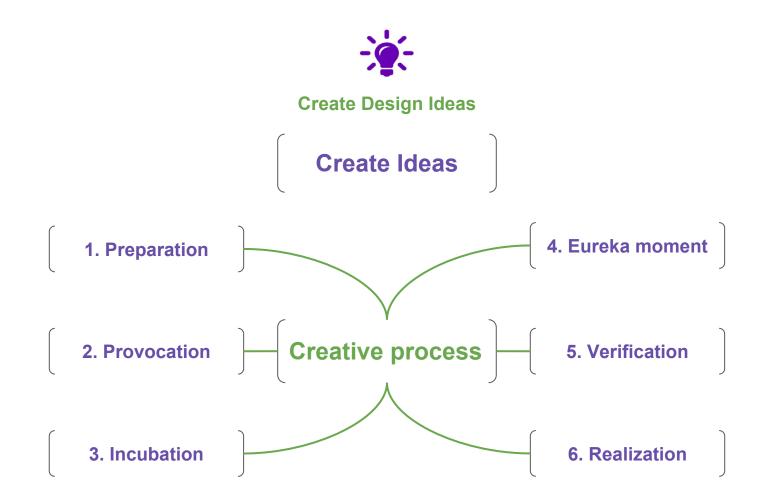
Most ideas are formed subconsciously

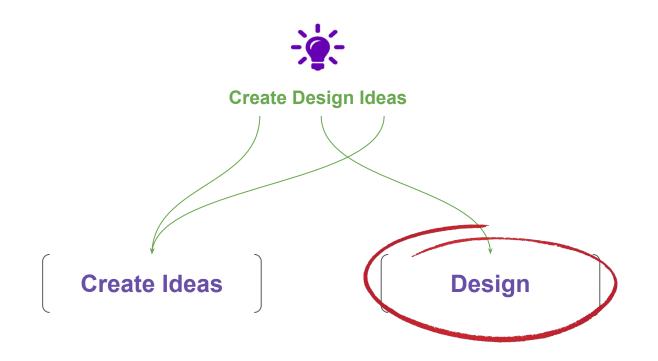


Create Ideas











Design

Interface - a surface/place where two independent systems, bodies or spaces meet / form a common boundary, and communicate with each other



Design

Interface - a surface/place where two independent systems, bodies or spaces meet / form a common boundary, and communicate with each other

Interface - a communication channel

Communication - exchanging of information



Design

Semiotics - the study of signs and symbols

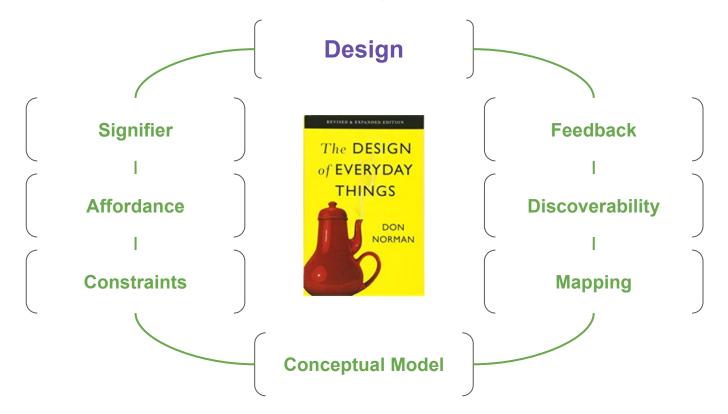
Sign anything that communicates a meaning Representamen (signifier) - the form of the sign

Interpretant what people make of the sign

Object (signified) -

the actual reference of the sign







Design

Signifier - indicators of any type that communicate the action needed so the affordance can take place

Affordance - the possible use for an object when interacting with it



Design

Signifier - indicators of any type that communicate the action needed so the affordance can take place

Affordance - the possible use for an object when interacting with it

Constraints - restrictions that limit the possible actions available with an object

Physical - caused by physical features

Cultural - based on what is culturally accepted

Semantic - based on the meaning of the situation

Logical - use reasoning to determine the alternatives