

Client Objectives:

$O_1 : 0.5$

$O_2 : 0.3$

$O_3 : 0.4$

$O_4 : 0.6$

Pair-wise Comparison Chart

	O_1	O_2	O_3	O_4	Score
O_1	$01,01$	$01,02$	$01,03$	$01,04$	$P_1 O_1 = 0.5$ $\times 10 = 5$
O_2	$02,01$	$02,02$	$02,03$	$02,04$	$P_2 O_2 = 0.3$ $\times 10 = 3$
O_3	$03,01$	$03,02$	$03,03$	$03,04$	$P_3 O_3 = 0.4$ $\times 10 = 4$

Date

List of Functions (Activities to be achieved by the design, to Do)

1. Containing liquid
2. Fill and seal container
3. Providing access to the liquid
4. Resist forces
5. Display information
6. Identify product

- Functions are actions that a successful design must perform
- Means are ways of achieving the intended functions of the design

The Morph Chart (used to create and visualize design space and identify design alternatives)

function	mean	mean	mean	mean
Containing liquid	Can	bottle	bag	box
Fill and seal the container	Heat and sealed cap	Glue container material	Twist Top	Bottle Cap
Providing access to the liquid	Tear corner	Twist top	Inserted straw	Zipper
Resistance forces	Thick walls	Flexible walls	Flexible walls	Thick Walls
Display information	Label	Color	Name	Sticker
Identify product	Color	Shape of container	Color	Distinctive level

- Highlight the preferred mean for each function

Date: / /2018

Group: ()

Metrics

Description

- score [0 - 10]
-1
- ... 4
-,6
-8
-10

Description

- score [0 - 10]
-1
- ... 4
-6
-8

Design Alternatives – The Score Equation

Sketch/photo



Metric Score

- metric 1 = 0.1
- metric 2 = 0.2
- constraints 1 = NONE

Final Score = 0.02