

Climbing the Usability Pyramid

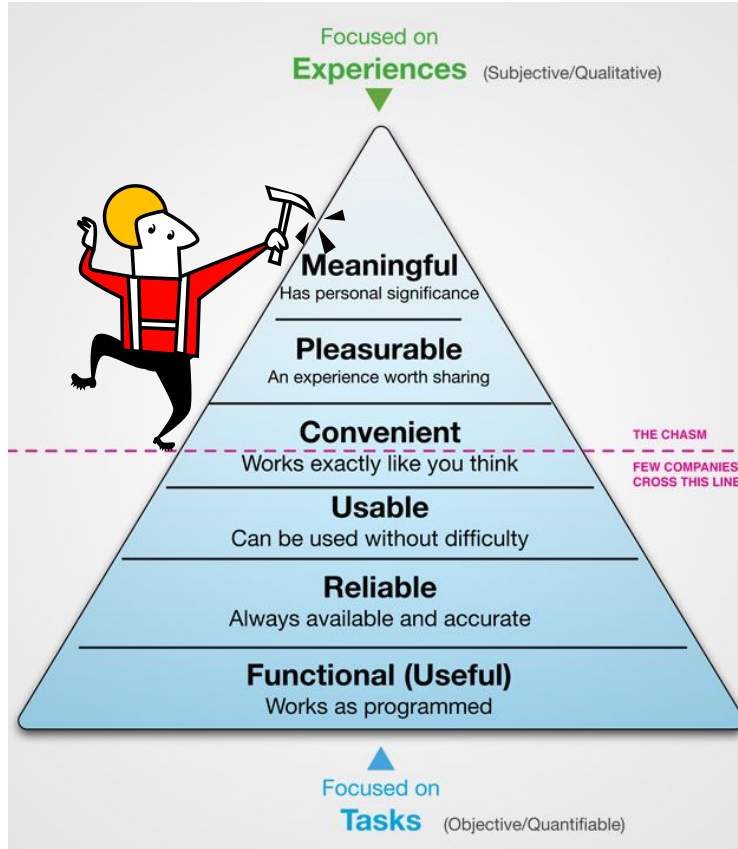
Dr. Tobias Samo

March 2014

Climbing the Usability Pyramid

A Vendor's Perspective

Where have we been?



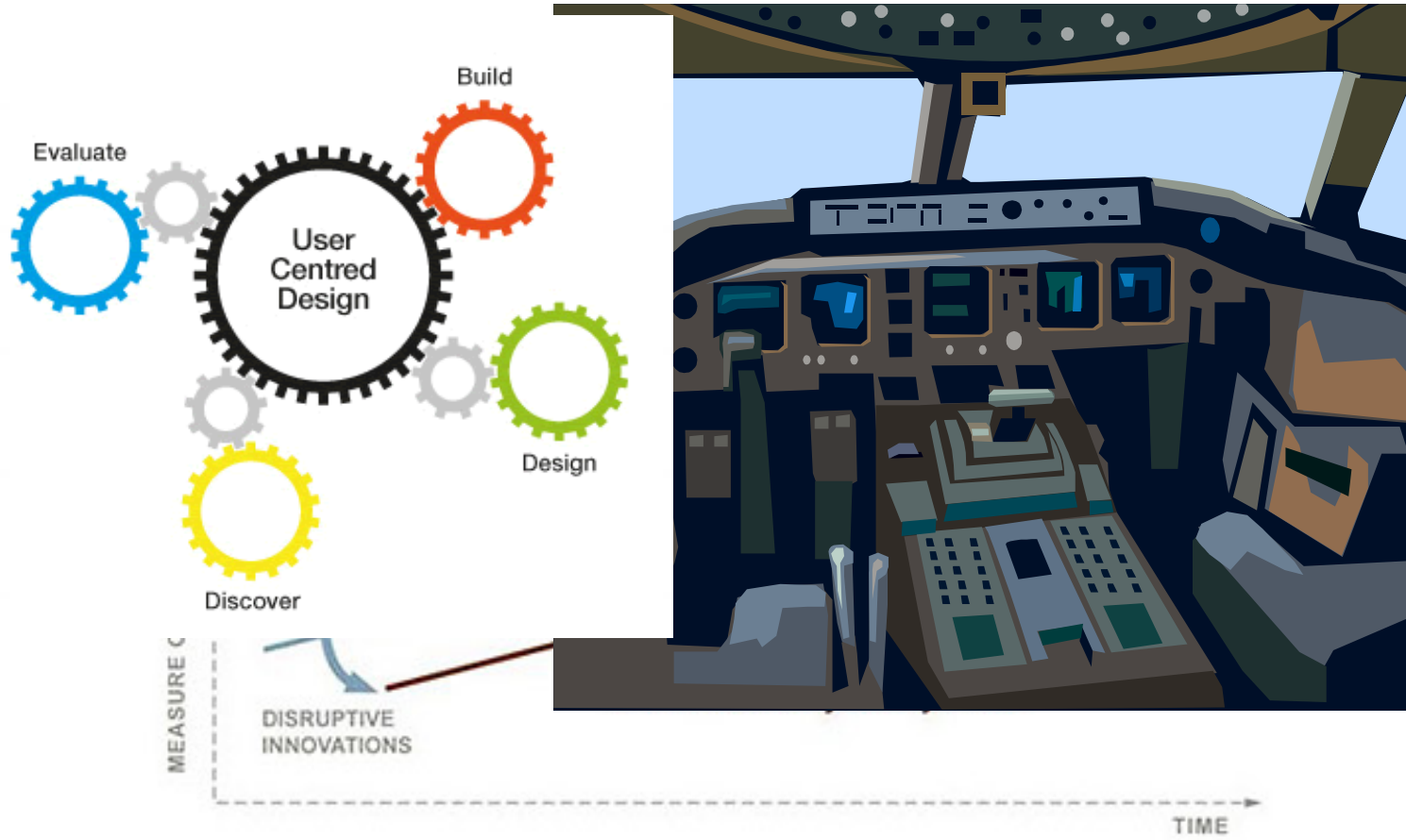
Anderson Pyramid

Good Intentions

Connecting America for Better Health
The Office of the National Coordinator for Health Information Technology



Innovation and Usability



Disruptive Technology

Visualization



Blood Work Cardiology Result

BALTA MEDICAL CENTRE
 ORDERED BY: Dr. Francis Pulaski
 Patient: Jerome Morrow
 NAME: Jerome Morrow
 GENDER: M AGE: 49 DOB: 01/10/1961
 Balsa Medical Centre
 200 Main Highway
 9503 555-9564 x1523
 COLLECTED: 11/02/2010 10:40 a.m.
 RECEIVED: 11/02/2010 1:03 p.m.

- About this test**
This report evaluates your potential risk of heart disease, heart attack, and stroke.
- Your results**

CRP level test
 Your level of C reactive protein in the blood. High levels are linked to inflammation of the blood vessels, which has been associated with an increased risk of heart disease.
 3.3
 Low risk Average risk High risk of cardiovascular disease

Total cholesterol level
 265
 Desirable Borderline High

LDL ("bad" cholesterol)
 130
 Optimal Near optimal Borderline high High Very high

HDL ("good" cholesterol)
 32
 Low Borderline Optimal
- Your risk** You show an elevated risk of cardiovascular disease.

If you're a smoker with blood pressure of 130 mm/Hg but a Family History of heart attack before age 60 (in one or both parents), your risk over the next 10 years is: **15%**
 Your risk would be lowered to:
12% if your blood pressure were 120 mm/Hg.
10% if you quit smoking.
6% if you reduced your cholesterol to 160 mg/dL.

Use your CRP results and cholesterol level to calculate your 10-year risk of a cardiovascular event at www.reynoldsriskscore.org
- What now?**
 - Diet and exercise** can improve your cholesterol levels.
 - Avoid drinking alcohol**, except in moderation: one to two drinks per day.
 - Ask your doctor** about statins or other medications that can lower cholesterol.
 - Consider retesting** in one to two weeks, in case your CRP level was caused by infection.

Wired Magazine Dec 2010

Where are we going?



Post EMR Ecosystem

NETWORK BASED OPERATIONS

***RECOGNIZED
MARITIME PICTURE***

***SHARED TACTICAL
INFORMATION***

***NATO INTEROPERABILITY
LINK 11/22 AND LINK 16***

***LINK T
AND OTHER LINKS***

