This is about breaking things down.

1. What work items to focus on

2. When things are too big / open-ended, it can be beyond our complexity horizon. Breaking it down brings it into visible

## Planning a

### Project

### Prepare

- Where are we at?
- Where are we going? • What is the next step?

### Write a proposal

Clear description of what it will do. Clear list of features that it will use. What it uses

What it uses – what devices, what OS versions, what parts, frameworks, classes, concepts, entitlements Call out what is not covered in appnotes, samples

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- Describe in sufficient detail
- Is it reasonable, acceptable?
- Does the project have sufficient breadth?
- Is it creative enough?

- **Optimize:** How can we design this system to behave better?
- 1. Identify system losses that are unacceptable 2. What is to be secured?
- Threat prioritization

- threats?

### Planning a Written Document

# Prepare

Establish objective Identify reader(s) Determine scope of coverage

The problem:

Notes Library research Interviewing Questionnaires Establish inputs

• The *problem* being addressed

• The *limits* of current practice

• *Why* improvements are needed

• The *consequences* of doing nothing

• *Why it is hard* to address the problem

• *How* the problem is addressed today

### Organization

Choose method of development Outline Plan illustrations Format, Layout and design

Write proposals using persuasive form, rather than an expository form.

## **Proposals** (full criteria)

### (New) Research Proposal should describe:

- Your *objectives* with no jargon
- The *problem* being addressed
- *Why you* will be successful
- The *impact*
- How will the project be *managed*
- The *cost*

### Why you?

- What is *new* in your approach?
- Why will it be successful <u>now</u>?
- Why didn't others attempts work?
- The preliminary work you have done • How the assumptions been tested on a small scale

Draft

• Title

• Point of view

• Paragraphs

• Topic sentences

Hushaboom Division

Research

