The purposes of
the Challenge Design **Outline**

1. Agree on a mental model ...

2. that meets the spec for the Challenge, and

3. communicate it effectively to us.

4. Each of you learn something, about
   collaboration and about writing.

5

The sections of
the Challenge Design **Outline**

1. Overview of this project (team-written)

2. Problem statement (team-written)

3. Assumptions (team-written)

4. Technical approach (individually written, author identified):
   - Carve out one technical section per team member.
   - Each section should be a substantial effort

5. Concrete capability milestones (team-written)

6. Decision-making process, division of labor (team-written)

7. CI self-assessments: what did you learn? (team-written)

7

The elements of
the Challenge Design **Outline**

- Informative headings and sub-headings

- Full-sentence key points

- Key graphics in draft form

8

**The due date of
the Challenge Design Outline**

Friday, March 21*
1:00 pm

*no class that day

**Tips for writing
the Challenge Design Outline**

1. Give crisp high-level descriptions before
   delving into detail.

2. Link sections to sub-sections with full sentences
   that lay out the purpose of each sub-section;
   don't expect us to figure out how things connect.

3. In addition to a coherent high-level plan,
   describe a realistic division of labor and a clear
   set of milestones.

**Formatting of
the Challenge Design Outline**

Team number and names on the title page
and in a footer

Sections and subsections numbered

FIGURE

Figure #. Title. Caption explaining what's important
about it or how to interpret it.

**Submitting
the Challenge Design Outline**

team#_CDO.pdf

Send us a link.

**Process considerations for
the Challenge Design Outline**

Planning

Roles and responsibilities

Decision-making
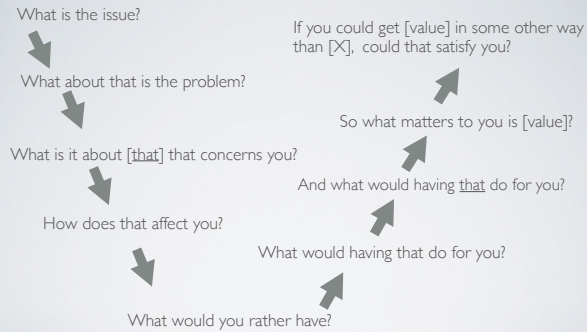
Tools, including:
    BINGO
    COOKIE CRITERIA

Discover common ground.

Ask questions that will help: .

- understand what the underlying values are

- figure out what interests are shared

Discover common ground.

What is the issue?

What about that is the problem?

What is it about [that] that concerns you?

How does that affect you?

What would you rather have?

What would having that do for you?

And what would having that do for you?

So what matters to you is [value]?

If you could get [value] in some other way than [X], could that satisfy you?

Discover common ground.

- when one person doesn't pull their weight
- when someone doesn't say that they're having a problem
- when one person's point of view dominates
- when someone's point of view is consistently ignored
- when work doesn't get distributed evenly
- when people's level of commitment differs
- when people bring different skills or experiences

Discover common ground,
for wiser agreements.