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.

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)

The elements of the Challenge Design Outline

- Informative headings and sub-headings
- Full-sentence key points
- Key graphics in draft form
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
And what would having that do for you?

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

What about that is the problem? So what matters to you is [value]?

What is it about [that] that concerns you? And what would having that do for you?

How does that affect you? What would having that do for you?

What would you rather have?

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.