

RESEARCH

SPECIAL GUESTS: THE LIBRARIANS

WEEK 4, STUDIO DAY 1

LEARNING OBJECTIVES

2- Research the context and background of problems ...

→ 2.1. Use scholarly and authoritative resources for literature research of the project.

1- Identify, breakdown, and define open-ended problem(s).

→ 1.2. Verbalize, review and refine the problem statement to reflect the design intent and project direction

FINAL PROBLEM STATEMENT

YOUR PROBLEM STATEMENT

- Is it clearly stated without having a solution(s) embedded in the statement?
- Have you considered the various needs and context of stakeholders?
- Is it technically challenging, but not astronomically difficult?
- Is it within scope of the call for proposal?
- Will everyone in the team have enough to work on?
- Will it let you explore new ideas and add value to the existing scenario?

→ If yes, go dig up all the scoop you can find on it.

→ If no, keep iterating on Problem Definition

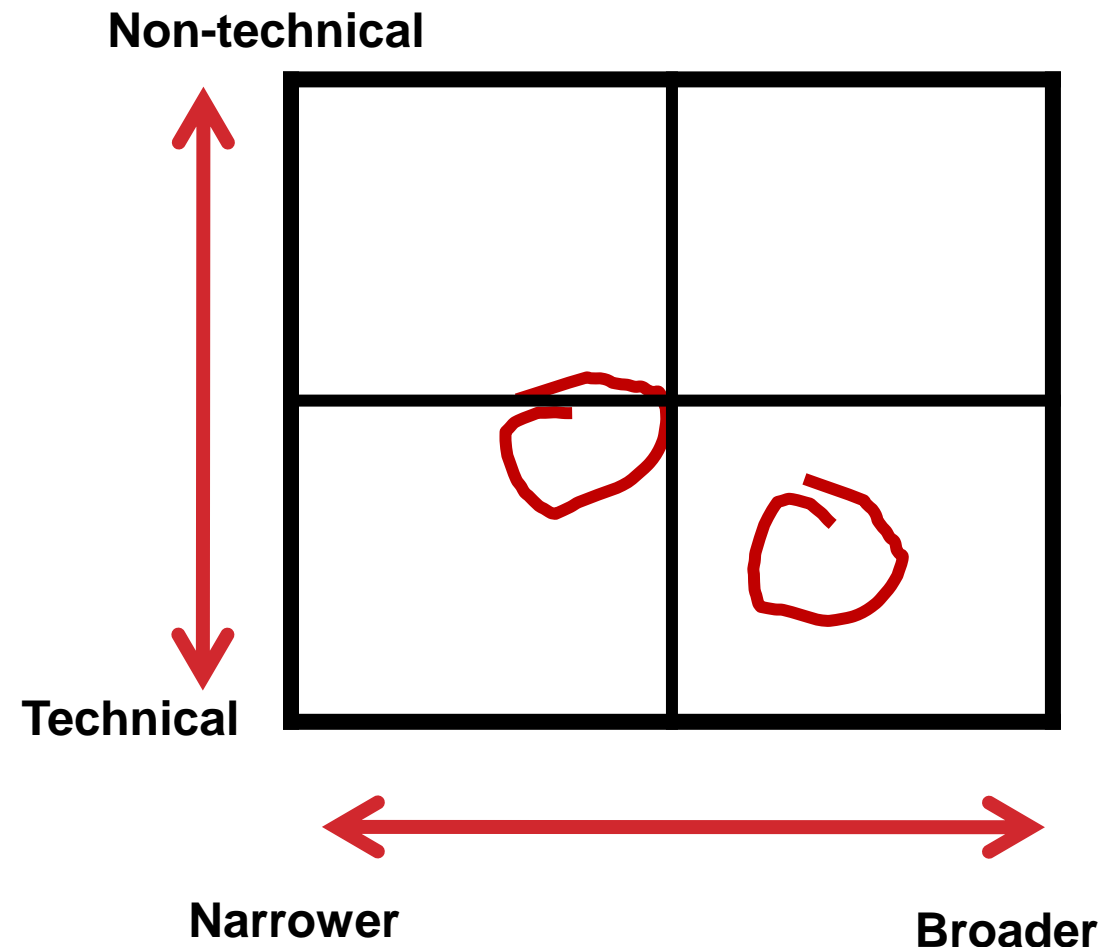
(DRAFT) PROBLEM DEFINITION → FINAL PROBLEM DEFINITION

Add to and review your problem definitions: **circle** ones you could use this semester.

Work with your mentor to finalize your team's problem definition.



As needed



THIS WEEK: SUBJECT MATTER EXPERTS

“Designing for the bottom 90%” Presentation:

Paul Polack

Founder, International Development Enterprises, and author of Out of Poverty and The Business Solution to Poverty

Date/time: September, 13th 4-5:30pm

Location: Coolbaugh Hall (CO) 209

About the Paul Pollack:

Paul Polack is dedicated to developing practical solutions that attack poverty at its roots. He has worked with farmers around the world to help design and produce low-cost income-generating products to help people move out of poverty. Paul is a development entrepreneur and founder of the Colorado-based International Development Enterprise. Join Paul as he shares his amazing stories and videos about shadowing homeless people in Denver, going with them to secure food, and finding out their issues and problems (e.g., lack of places to secure their belongings).

THIS WEEK: SUBJECT MATTER EXPERTS

GoFarm to Families Presentation:

Anna Schott

Manager, GoFarm to Families Program (GFF)

Kim Massey

Manager, GoFarm to Seniors Program (GSF)

Date/time: September, 16th 12-12:50pm

Location: Berthoud Hall (BE) 108

About the Program:

Anna Schott and Kim Massey manage two outreach programs at GoFarm that work with food insecure groups. GoFarm to Families works with families at low income preschools to provide a weekly fresh produce distribution box at the site, as well as nutrition education to the kids and their families.

GoFarm to Seniors focuses on adults 60 years and over to enroll them in the Supplemental Nutrition Assistance Program (SNAP-Colorado's version of Food Stamps) and provides a weekly fresh produce box at Canyon Gate (a low income senior apartment facility in Golden).

THIS WEEK: SUBJECT MATTER EXPERTS

“Colorado Aquaponics” Presentation:

Sean Short

Aquaponics Specialist/Product Developer, The Aquaponic Sources Program

Date/time: September, 15th 11-11:50pm

Location: Brown Hall (BB) W250

About the Program:

The Aquaponic Source was founded in 2009, to help empower home hobbyist, schools and gardeners to grow their own food through aquaponics by providing kits systems and components, education, fish food and much more. The team also runs a community scale aquaponic farm, and provides education and consulting services.

COMING UP THIS WEEK

SMEs continue – check schedule online

Updated on <http://epics.mines.edu/EPICS-151>

Project Day 2:

- **ASSIGNMENT: User Empathy Reflection due**
- **Group work: team contract**
- **Ideation begins**

Graphics:

CAD (Computer Aided Design) begins with Solidworks