

**CS-639 — Interaction Design Studio**

# **A2 Kickoff | Getting Started**

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# Today

- **A2 overview** (5 min) — requirements recap, high-stakes domain constraint
- **Domain selection check** (5 min) — share your domain with a neighbor
- **Persona + context scenarios** (15 min) — create your persona, map context situations
- **Initial sketches** (15 min) — how does the interface adapt across contexts?
- **Check-in** (5 min) — what is working, what is unclear

**Everything you produce today becomes part of your A2 submission. This is not a separate activity — it is A2.**

# A2 Recap

## Assignment 2: Intelligent System Design | Due Monday, April 20 | 25% of final grade

- Design an intelligent system in a **high-stakes domain** — where a wrong action has real consequences
- **Persona** with context scenarios across 3+ situations
- **All four material properties:** agency ([Parasuraman et al., 2000](#)), proactivity ([Horvitz, 1999](#)), collaboration ([Johnson et al., 2014](#)), context-awareness ([Dey, 2001](#))
- **Interaction flows** with P1-P12 annotations
- **Process documentation** and **reflection**

**High-stakes does not mean medical or military. Travel, budgeting, education, cooking for allergies — any domain where getting it wrong matters.**

# Domain Selection Check (5 min)

**Turn to a neighbor and share your domain. Your neighbor evaluates:**

1. **Are the stakes clear?** — What goes wrong if the system makes a mistake? Is the consequence concrete and specific?
2. **Is the domain rich enough?** — Does it involve at least 3 of Schmidt et al.'s (1998) six context dimensions?
3. **Can you name a user?** — Not "users in general" — a specific person with specific needs and context

**If your neighbor cannot articulate what goes wrong, the stakes are not clear enough.**

**The best domains are ones where you can finish the sentence: "If the system gets this wrong, the user will..."**

## Persona (5 min)

**Be specific — not "users in general":**

- Name, age, occupation, relevant background
- Why do they need this system?
- What makes their situation high-stakes?

**If you can't name what goes wrong for **this person**, your stakes aren't specific enough.**

# Context Scenarios (10 min)

Map **3 situations** using Schmidt et al.'s (1998) six dimensions. Use the handout table.

	Scenario 1	Scenario 2	Scenario 3
Physical			
User state			
Social			
Task			
Temporal			
Device			

**If your system behaves the same across all three scenarios, they aren't different enough.**

# Initial Sketches (15 min)

**Sketch how your interface adapts across your 3 context scenarios.**

For each scenario, show:

1. **What does the system display?** — What information is relevant in this context?
2. **What SA level is the system operating at?** — Label each element as SA-1 (perception), SA-2 (comprehension), or SA-3 (projection) using [Jiang et al.'s \(2023\)](#) framework
3. **What agency level is appropriate?** — Where does the system inform, suggest, or act?
4. **What context triggers the adaptation?** — Which dimension changed to cause this behavior?

**Sketch on paper or in Figma — speed matters more than polish. You are exploring, not delivering.**

# Example: Travel Safety App

**Persona:** Maya, 28, solo traveler, first trip to Southeast Asia. High stakes: unfamiliar environment, language barriers, safety decisions.

## **Scenario 1 — Walking in a new city, daytime:**

SA-1: Show neighborhood safety data

SA-2: "This area has fewer tourists after dark"

## **Scenario 2 — Lost at night, phone battery low:**

SA-2: "You are 15 min from your hotel"

SA-3: Auto-share location with emergency contact

## **Scenario 3 — At a market, negotiating a purchase:**

SA-1: Show average local prices

SA-2: "This is 3x the typical price"

**Notice how the SA level increases as the stakes increase. The system acts autonomously only when the risk is highest.**

# Check-In

## Before you leave, note for yourself:

- Is your domain truly high-stakes? Can you name what goes wrong?
- Does your persona have enough specificity to drive design decisions?
- Do your 3 scenarios differ across multiple context dimensions?
- Are your SA-level labels honest — or are you designing SA-3 features without acknowledging the risk?

**Friday critique:** Bring your **persona and initial sketches** for peer feedback. Pods will evaluate whether your stakes are clear, your context dimensions are identified, and your persona is realistic.

**You have one week of class sessions before A2 is due. Use them.**

# Before Friday

- **Bring** your persona and initial sketches (paper or digital) — you will present them in your pod
- **Fill in** all six context dimensions for at least 3 scenarios
- **Label** SA levels on your sketches — know what your system perceives, comprehends, and projects
- **Think about** contextual integrity: what context data does your system collect, and who should NOT have access to it?

**Friday is peer feedback on early A2 work. The more concrete your materials, the more useful the feedback.**