

# The Dimensions of Positionality Observation Chart

Action Research Project

14<sup>th</sup> January | Corey Ford (c.ford@arts.ac.uk)

# Teaching Context: Module

**Introduction to Human-Computer Interaction (HCI)**

**HCI = How people interact with and use technology**

**First 6 weeks basics: usability, design justice, sketching.**

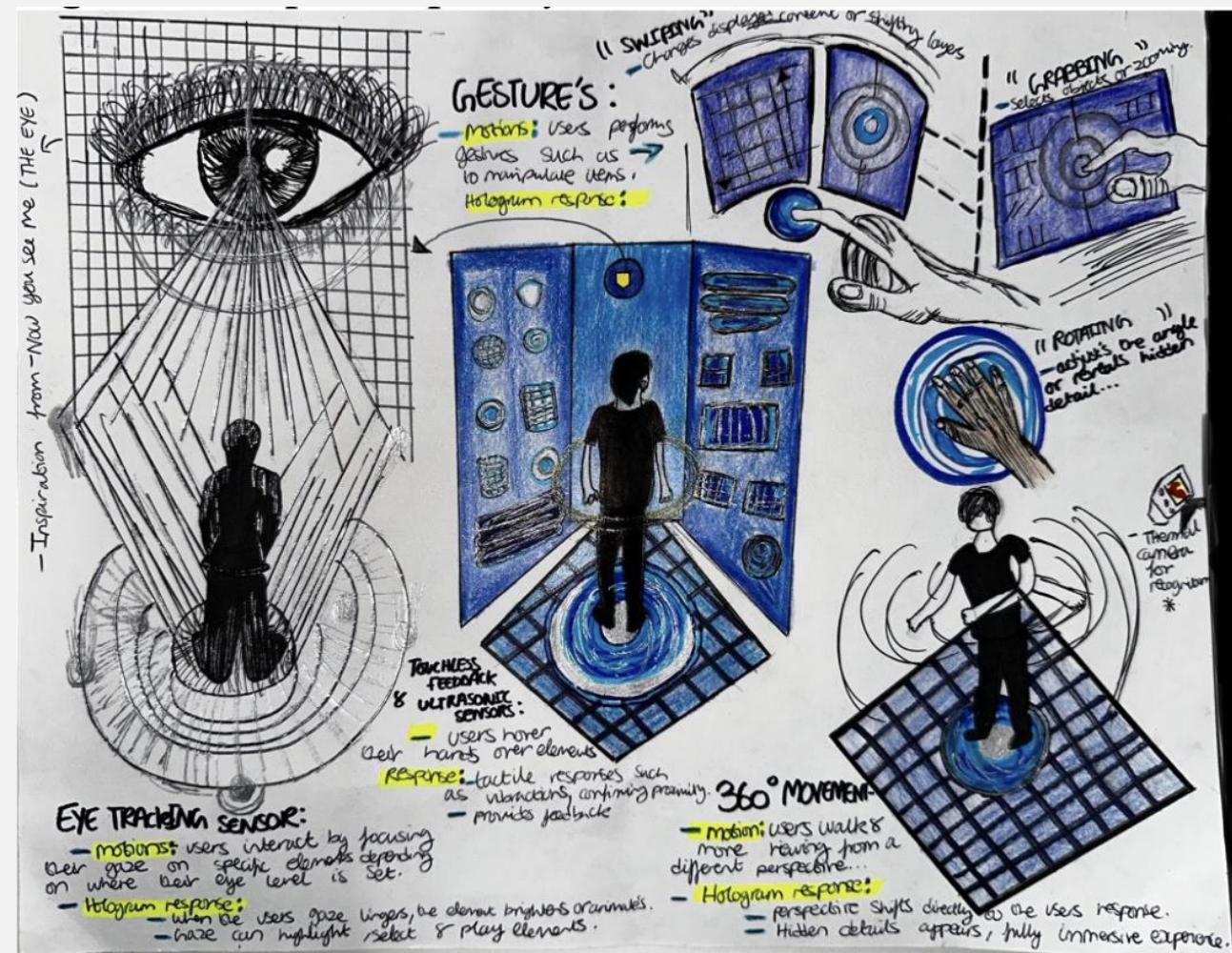
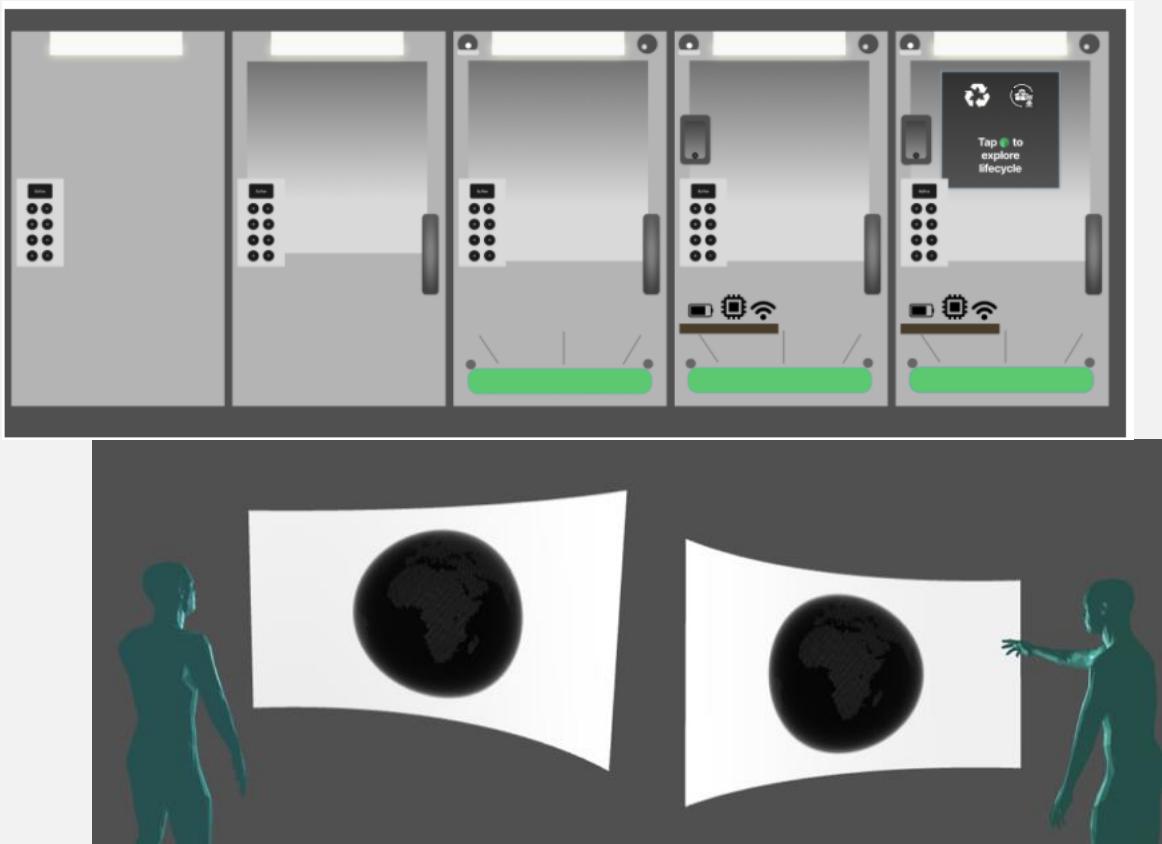
**Final weeks – 4 crits of own speculative design ideas for a technology.**

- Formative front of class presentations w/ written feedback.**



Image from University for the Creative Arts: [link](#)

# Rationale



# Research Question

- **RQ:** How can I create a **check for myself** to ensure that students reflect on their **positionality** *holistically* throughout my course's crits?
- **Social Justice:** To increase discussion on ideas relating to positionality such as protected characteristics, unconscious biases or systemic aspects of design.

# Initial Idea

Step 5: Reflect upon the changes

Step1 : Define the problem and frame research questions

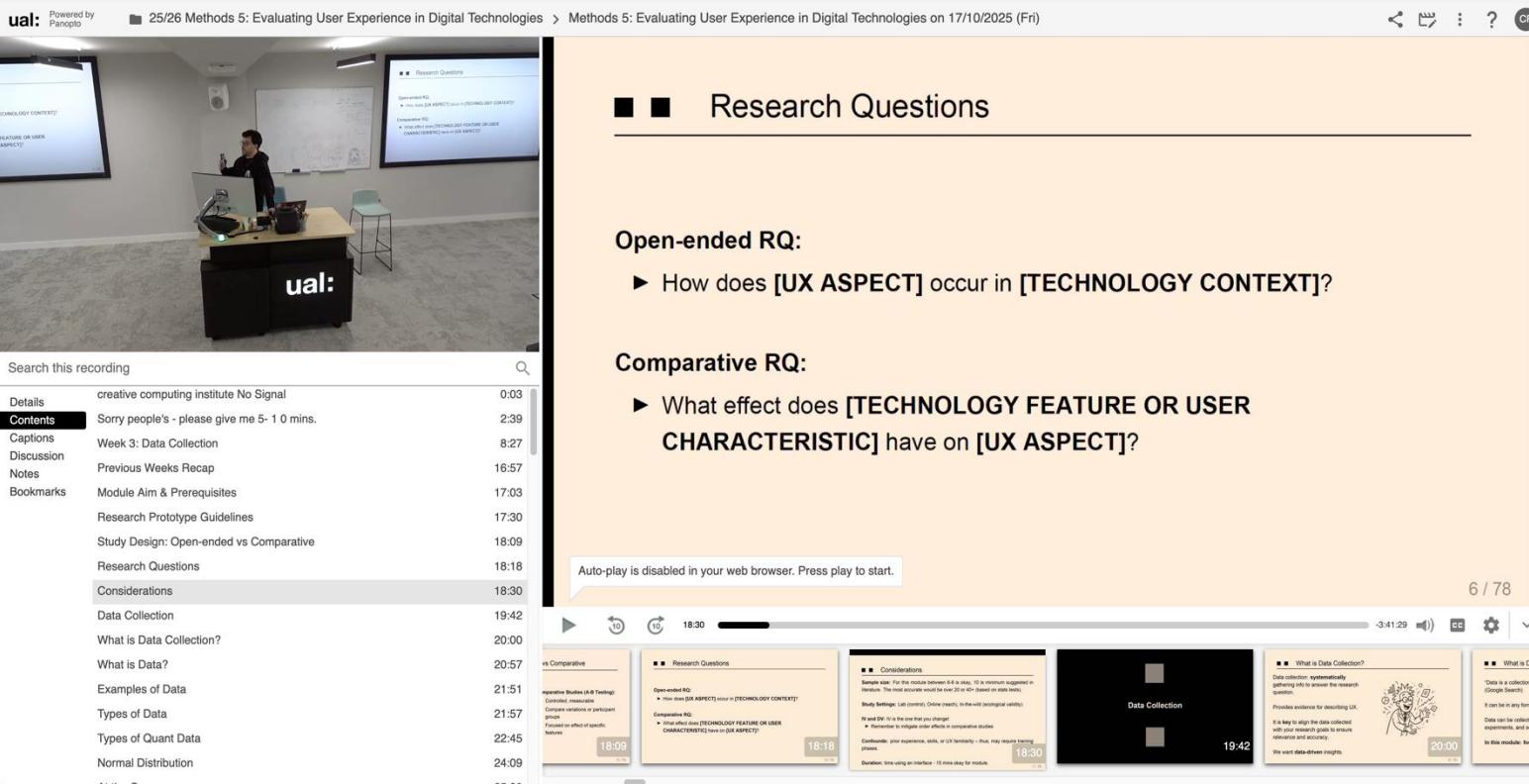
Step 2: Collect data and decide where to change teaching

Step 4: Evaluate changes

Step 3: Implement a change

# Research Methods

## ■ Panopto + Thematic Analysis



■ 25/26 Methods 5: Evaluating User Experience in Digital Technologies > Methods 5: Evaluating User Experience in Digital Technologies on 17/10/2025 (Fri)

Powered by Panopto

Search this recording

Details	creative computing institute No Signal	0:03
Contents	Sorry people's - please give me 5-10 mins.	2:39
Captions	Week 3: Data Collection	8:27
Discussion	Previous Weeks Recap	16:57
Notes	Module Aim & Prerequisites	17:03
Bookmarks	Research Prototype Guidelines	17:30
	Study Design: Open-ended vs Comparative	18:09
	Research Questions	18:18
	Considerations	18:30
	Data Collection	19:42
	What is Data Collection?	20:00
	What is Data?	20:57
	Examples of Data	21:51
	Types of Data	21:57
	Types of Quant Data	22:45
	Normal Distribution	24:09

Auto-play is disabled in your web browser. Press play to start.

6 / 78

■ ■ ■ Research Questions

**Open-ended RQ:**

- ▶ How does **[UX ASPECT]** occur in **[TECHNOLOGY CONTEXT]**?

**Comparative RQ:**

- ▶ What effect does **[TECHNOLOGY FEATURE OR USER CHARACTERISTIC]** have on **[UX ASPECT]**?

■ ■ ■ Considerations

■ ■ ■ Data Collection

■ ■ ■ What is Data?

## ■ Thematic Analysis (Braun and Clarke, 2006, 2019)

## ■ Inductive – annotate points of “positionality related-thinking”

## ■ Cluster into themes.

# Research Methods

- Too much time for the scope of the module.
  - Observe only two groups.
- Deductive Coding Scheme (Hanington and Martin, 2019; Nonnis, 2021; Pahome, 2024)
  - More objective – less of my own interpretation
  - Select aspects of positionality (based on literature) which are broad, as to not be identifying or singling out protected characteristics.
  - Operationalisation of whether ideas are just mentioned or enacted.

“What is the influence on your thinking? How you think about the world? How you think about technology? This is the goal of positionality, not just a performative thing.” – Corey’s Colleague

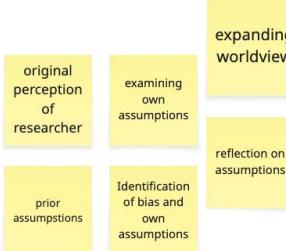
# Post-it

(Singh et al., 2025; Tong, Sainsbury and Craig, 2007; Ortiz et al., 2018; Rankl, Johnson and Vindrola-Padros, 2021; Finlay, 2002)



# Topics

## Reflection on worldview, biases and assumptions



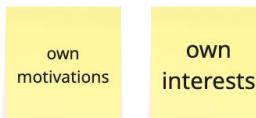
## Reflection on group dynamics



## Reflection on characteristics

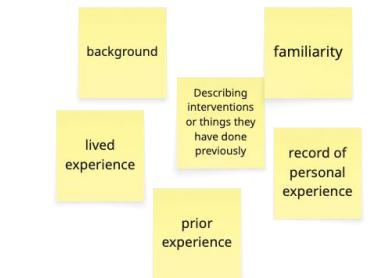


## Reflection on personal motivations and intentions



## Reflection on power and privilege

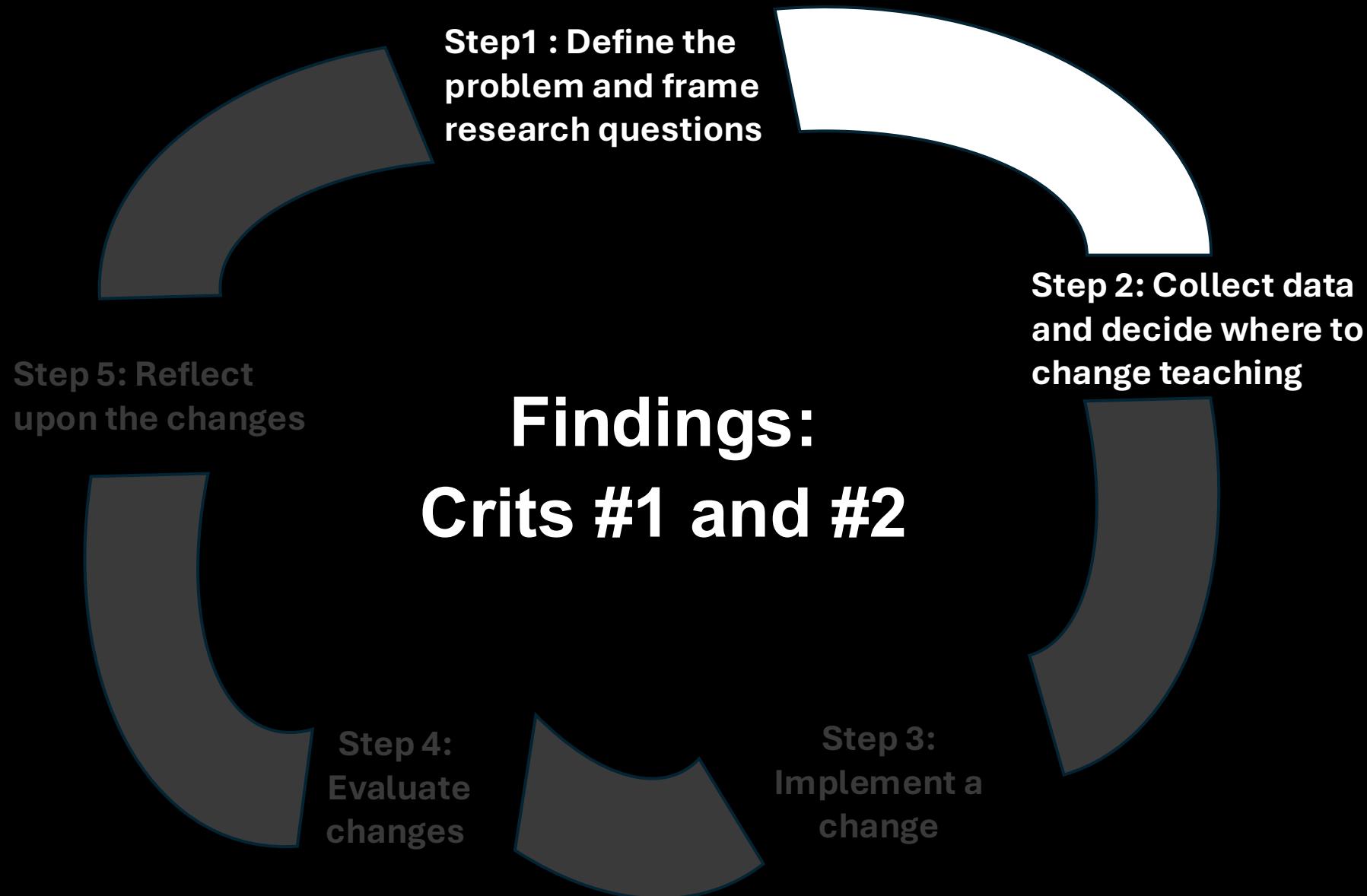
## Reflection on emotions



## Reflection on lived experiences

**The Dimensions of Positionality Observation Chart v1**Initially Created: 15<sup>th</sup> Oct 2025

Category	Example Phrases to Look For	Score	Teacher Observations e.g. quotes and timestamps
<b>Reflection on Characteristics</b> Mentions of aspects of a person's intersectional identities	As a X person...  From my position as a...	<div style="display: flex; justify-content: space-around; align-items: center;"> <span>Not Mentioned</span> <span><input type="checkbox"/></span> <span>Mentioned</span> <span><input type="checkbox"/></span> <span>Mentioned and Enacted</span> <span><input type="checkbox"/></span> </div>	
<b>Reflection on Previous Experience</b> Mentions of prior, lived experiences, or their familiarity with existing software tools.	In my previous project...  When I worked on...	<div style="display: flex; justify-content: space-around; align-items: center;"> <span>Not Mentioned</span> <span><input type="checkbox"/></span> <span>Mentioned</span> <span><input type="checkbox"/></span> <span>Mentioned and Enacted</span> <span><input type="checkbox"/></span> </div>	
<b>Reflection on Emotions</b> Mentions of feelings or embodied responses	I felt that...  I was really X about...  I emphasised with...	<div style="display: flex; justify-content: space-around; align-items: center;"> <span>Not Mentioned</span> <span><input type="checkbox"/></span> <span>Mentioned</span> <span><input type="checkbox"/></span> <span>Mentioned and Enacted</span> <span><input type="checkbox"/></span> </div>	
<b>Reflection on Group Dynamics</b> Mentions of own roles or other roles	When we discussed X we...  We followed X because...	<div style="display: flex; justify-content: space-around; align-items: center;"> <span>Not Mentioned</span> <span><input type="checkbox"/></span> <span>Mentioned</span> <span><input type="checkbox"/></span> <span>Mentioned and Enacted</span> <span><input type="checkbox"/></span> </div>	
<b>Reflection on Assumptions</b> Mentions of identifying assumptions or biases	I assumed that...  I hadn't considered...  At first I thought....	<div style="display: flex; justify-content: space-around; align-items: center;"> <span>Not Mentioned</span> <span><input type="checkbox"/></span> <span>Mentioned</span> <span><input type="checkbox"/></span> <span>Mentioned and Enacted</span> <span><input type="checkbox"/></span> </div>	
<b>Reflection on Power</b> Mentions of the influence of power structures	X voices weren't heard because  I recognise the privilege in...	<div style="display: flex; justify-content: space-around; align-items: center;"> <span>Not Mentioned</span> <span><input type="checkbox"/></span> <span>Mentioned</span> <span><input type="checkbox"/></span> <span>Mentioned and Enacted</span> <span><input type="checkbox"/></span> </div>	



# Crit #1 Ideate

Lots of mention of **previous experiences**, particularly with technology.

-  "inspired by snapchat, Instagram and google"
-  "inspired by apps like ring"
-  "inspired from last year, we had a project called"

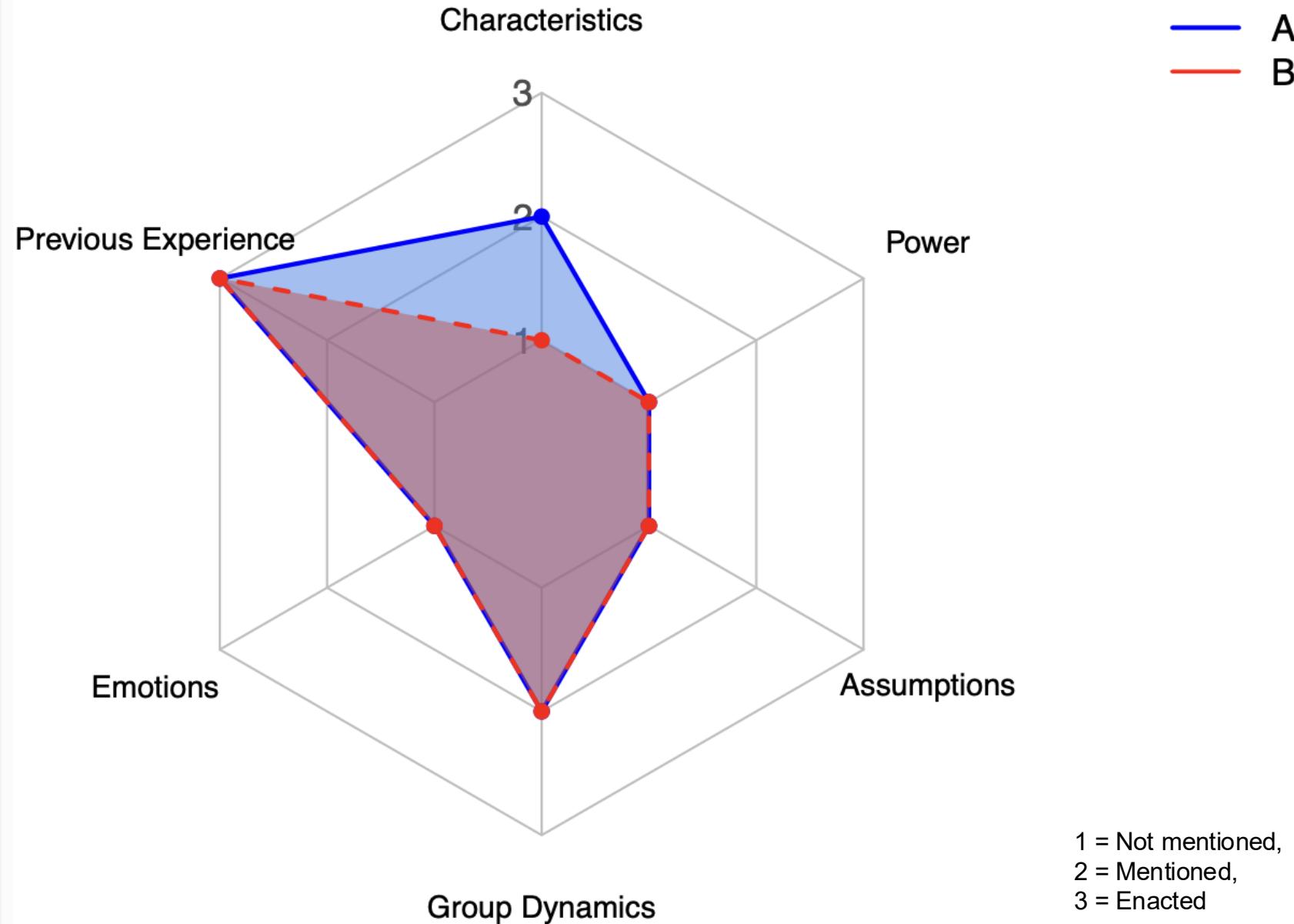
Some **group dynamics** discussion.

-  "its quite similar to all our ideas"
-  Ideas were "touched on by colleagues in the classroom"

Group A just discussed **characteristics**.

-  "obviously we see videos from all over the world.... [users] will compare it to their own regional influences"

No **assumptions, power** and **emotions**.



Category	Example Phrases to Look For	Score	Teacher Observations e.g. quotes and timestamps								
<b>Reflection on Characteristics</b> Mentions of aspects of intersectional identities, either one's self or possible user	As a X person... From my position as a...	<table border="1"> <tr> <td>Not Mentioned</td> <td>Passing Mention</td> <td>Clear Mention</td> <td>Clear Mention, Justifying A Choice</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>	Not Mentioned	Passing Mention	Clear Mention	Clear Mention, Justifying A Choice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Not Mentioned	Passing Mention	Clear Mention	Clear Mention, Justifying A Choice								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
<b>Reflection on Previous Projects</b> Mentions of previous coursework or lived experience	In my previous project... When I worked on...	<table border="1"> <tr> <td>Not Mentioned</td> <td>Passing Mention</td> <td>Clear Mention</td> <td>Clear Mention, Justifying A Choice</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>	Not Mentioned	Passing Mention	Clear Mention	Clear Mention, Justifying A Choice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Not Mentioned	Passing Mention	Clear Mention	Clear Mention, Justifying A Choice								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
<b>Reflection on Literature and Inspirations</b> Mentions of related work	In my previous project... When I worked on...	<table border="1"> <tr> <td>Not Mentioned</td> <td>Passing Mention</td> <td>Clear Mention</td> <td>Clear Mention, Justifying A Choice</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>	Not Mentioned	Passing Mention	Clear Mention	Clear Mention, Justifying A Choice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Not Mentioned	Passing Mention	Clear Mention	Clear Mention, Justifying A Choice								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
<b>Reflection on Own Emotions</b> Mentions of feelings or embodied responses	I felt that... I was really X about... I emphasised with...	<table border="1"> <tr> <td>Not Mentioned</td> <td>Passing Mention</td> <td>Clear Mention</td> <td>Clear Mention, Justifying A Choice</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>	Not Mentioned	Passing Mention	Clear Mention	Clear Mention, Justifying A Choice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Not Mentioned	Passing Mention	Clear Mention	Clear Mention, Justifying A Choice								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
<b>Reflection on Colleagues Ideas</b> Mentions of own roles or other roles	"My idea is.." "Similar to others ideas..."	<table border="1"> <tr> <td>Not Mentioned</td> <td>Passing Mention</td> <td>Clear Mention</td> <td>Clear Mention, Justifying A Choice</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>	Not Mentioned	Passing Mention	Clear Mention	Clear Mention, Justifying A Choice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Not Mentioned	Passing Mention	Clear Mention	Clear Mention, Justifying A Choice								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
<b>Reflection on Assumptions</b> Mentions of identifying assumptions or biases, or careful use of language	I assumed that... At first I thought.... "I don't wanna say X, but"	<table border="1"> <tr> <td>Not Mentioned</td> <td>Passing Mention</td> <td>Clear Mention</td> <td>Clear Mention, Justifying A Choice</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>	Not Mentioned	Passing Mention	Clear Mention	Clear Mention, Justifying A Choice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Not Mentioned	Passing Mention	Clear Mention	Clear Mention, Justifying A Choice								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
<b>Reflection on Power</b> Mentions of the influence of power structures	X voices weren't heard because I recognise the privilege in...	<table border="1"> <tr> <td>Not Mentioned</td> <td>Passing Mention</td> <td>Clear Mention</td> <td>Clear Mention, Justifying A Choice</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>	Not Mentioned	Passing Mention	Clear Mention	Clear Mention, Justifying A Choice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Not Mentioned	Passing Mention	Clear Mention	Clear Mention, Justifying A Choice								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								

Split previous experience to show differences.

Added extra fidelity to mark up between "not sure" and "sure".  
Tweaked phrasing also.

Added concrete examples from crit quotes.

# Crit #2: Converge

Mention of inspirations easy for groups e.g. literature and other technologies

Touching on identifying assumptions.

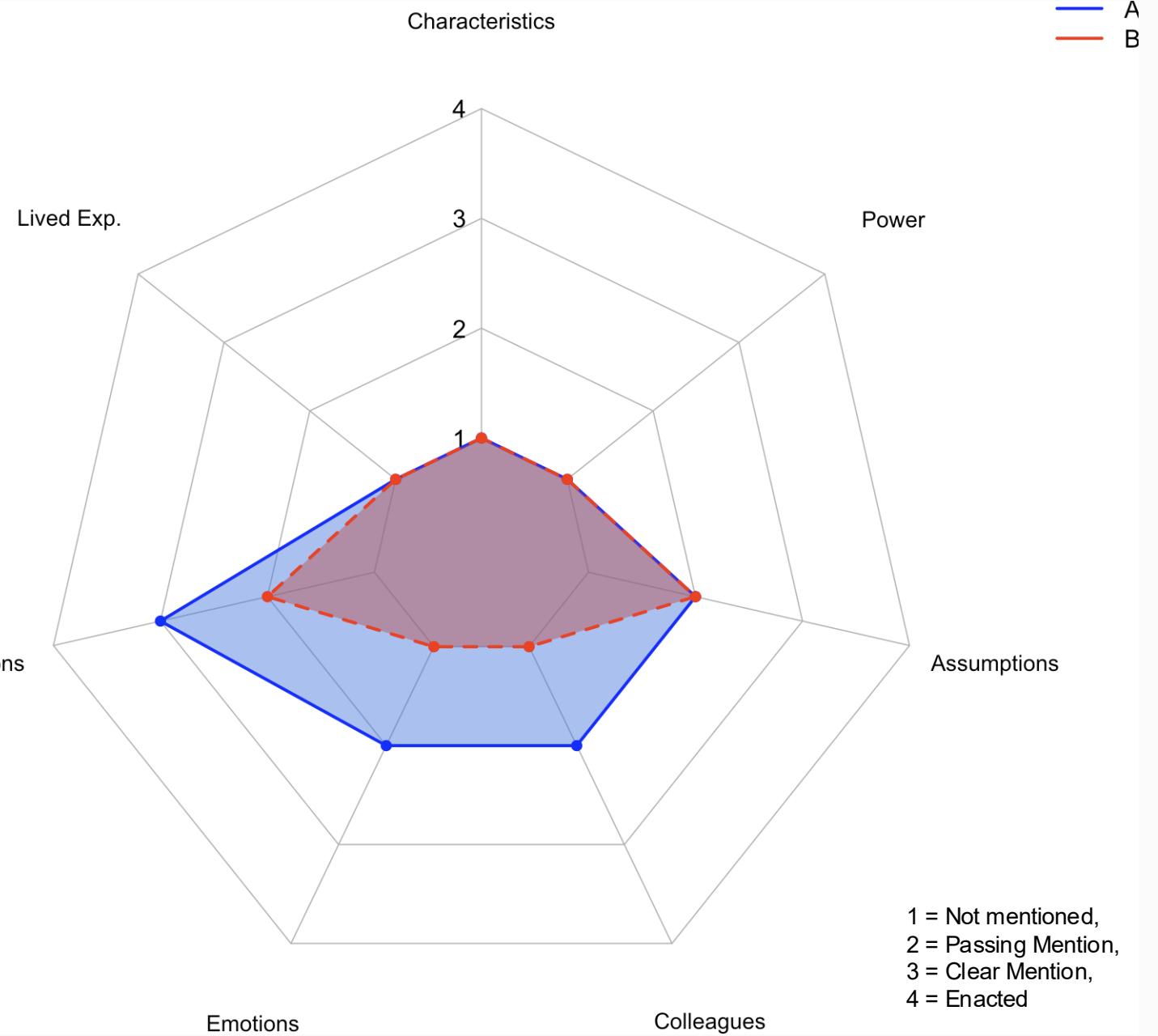


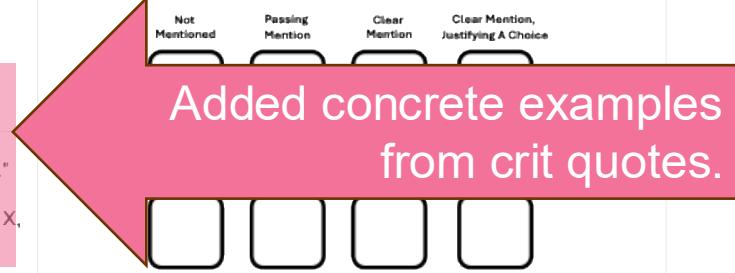
**I thought that** the idea of a journal doesn't"

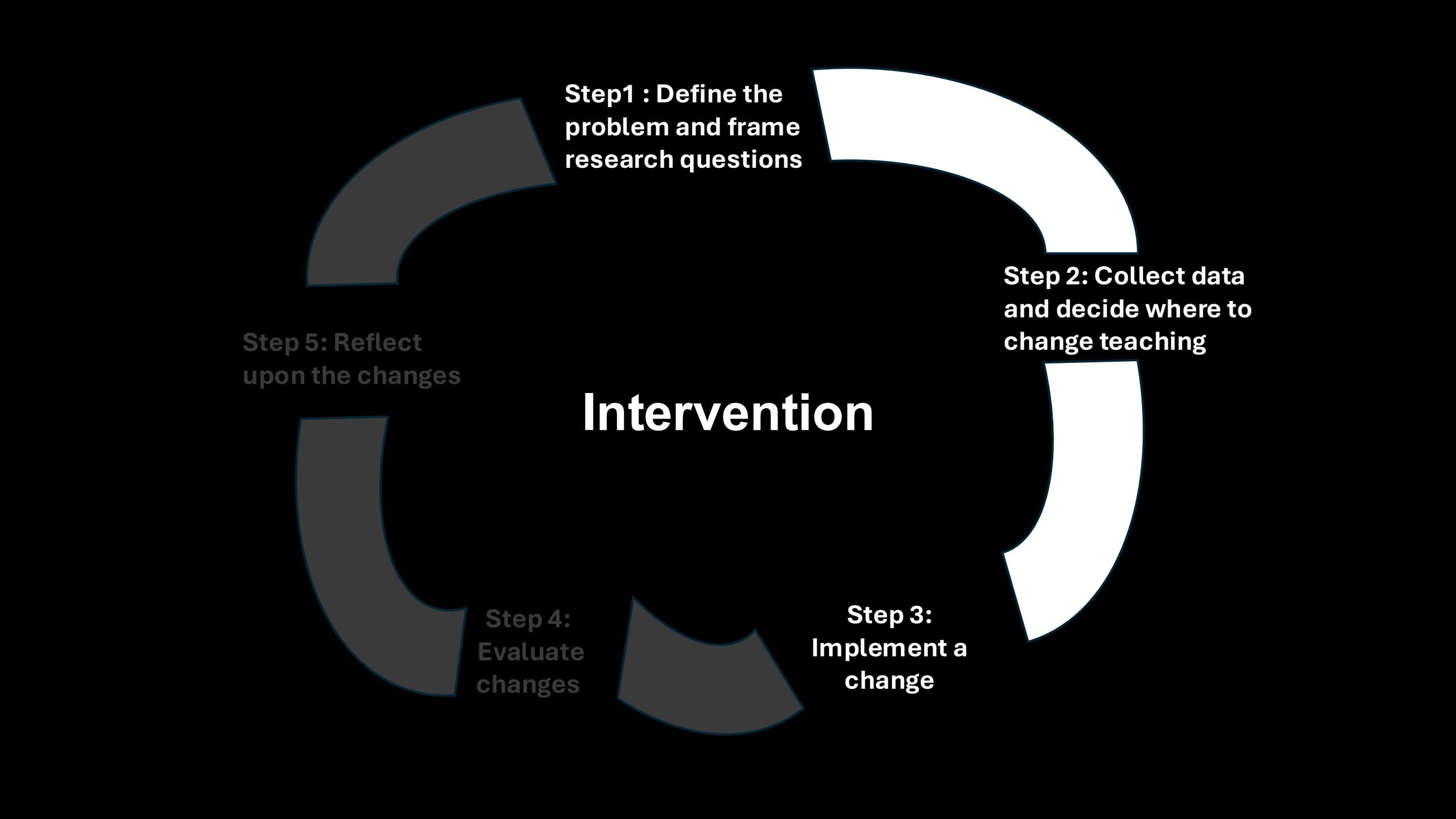


**I feel** like your personality is really reflected in"

No power, characteristics, or emotions.



Category	Example Phrases to Look For	Score	Teacher Observations e.g. quotes and timestamps
<b>Reflection on Characteristics</b> Mentions of aspects of intersectional identities, either one's self or possible user	<ul style="list-style-type: none"> <li>As a X person...</li> <li>From my position as a...</li> </ul>	<input type="checkbox"/> Not Mentioned <input type="checkbox"/> Passing Mention <input type="checkbox"/> Clear Mention <input type="checkbox"/> Clear Mention, Justifying A Choice	
<b>Reflection on Previous Experiences</b> Mentions of previous coursework or lived experience	<ul style="list-style-type: none"> <li>In my previous project...</li> <li>When I worked on...</li> <li>At school I did...</li> </ul>	<input type="checkbox"/> Not Mentioned <input type="checkbox"/> Passing Mention <input type="checkbox"/> Clear Mention <input type="checkbox"/> Clear Mention, Justifying A Choice	
<b>Reflection on Literature and Inspirations</b> Mentions of related work	<ul style="list-style-type: none"> <li>In my previous project...</li> <li>When I worked on...</li> </ul>	<input type="checkbox"/> Not Mentioned <input type="checkbox"/> Passing Mention <input type="checkbox"/> Clear Mention <input type="checkbox"/> Clear Mention, Justifying A Choice	
<b>Reflection on Own Emotions</b> Mentions of feelings or embodied responses	<ul style="list-style-type: none"> <li>I felt that...</li> <li>I was really X about...</li> <li>I emphasised with...</li> </ul>	<input type="checkbox"/> Not Mentioned <input type="checkbox"/> Passing Mention <input type="checkbox"/> Clear Mention <input type="checkbox"/> Clear Mention, Justifying A Choice	
<b>Reflection on Colleagues Ideas</b> Mentions of own roles or other roles	<ul style="list-style-type: none"> <li>"My idea is..."</li> <li>"Similar to others ideas..."</li> <li>"We decided on"</li> </ul>	<input type="checkbox"/> Not Mentioned <input type="checkbox"/> Passing Mention <input type="checkbox"/> Clear Mention <input type="checkbox"/> Clear Mention, Justifying A Choice	
<b>Reflection on Assumptions</b> Mentions of identifying assumptions or biases, or careful use of language	<ul style="list-style-type: none"> <li>I assumed that...</li> <li>"I feel like this is...."</li> <li>At first I thought....</li> <li>"I don't wanna say X, but"</li> </ul>	<input type="checkbox"/> Not Mentioned <input type="checkbox"/> Passing Mention <input type="checkbox"/> Clear Mention <input type="checkbox"/> Clear Mention, Justifying A Choice	 <p>Added concrete examples from crit quotes.</p>
<b>Reflection on Power</b> Mentions of the influence of power structures	<ul style="list-style-type: none"> <li>X voices weren't heard because</li> <li>I recognise the privilege in...</li> </ul>	<input type="checkbox"/> Not Mentioned <input type="checkbox"/> Passing Mention <input type="checkbox"/> Clear Mention <input type="checkbox"/> Clear Mention, Justifying A Choice	



**Step1 : Define the problem and frame research questions**

**Step 2: Collect data and decide where to change teaching**

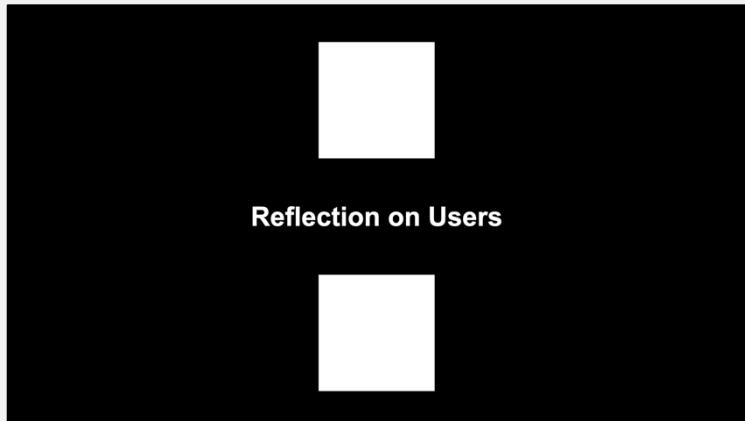
**Step 3:  
Implement a change**

**Step 4:  
Evaluate changes**

**Step 5: Reflect upon the changes**

# Intervention

# Asking for reflection on users



**Target Users**

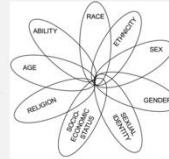
- Who are the users that can easily access and use your app.

**ual** creative computing institute

Iteration 3: Formative 9

## Excluded Users

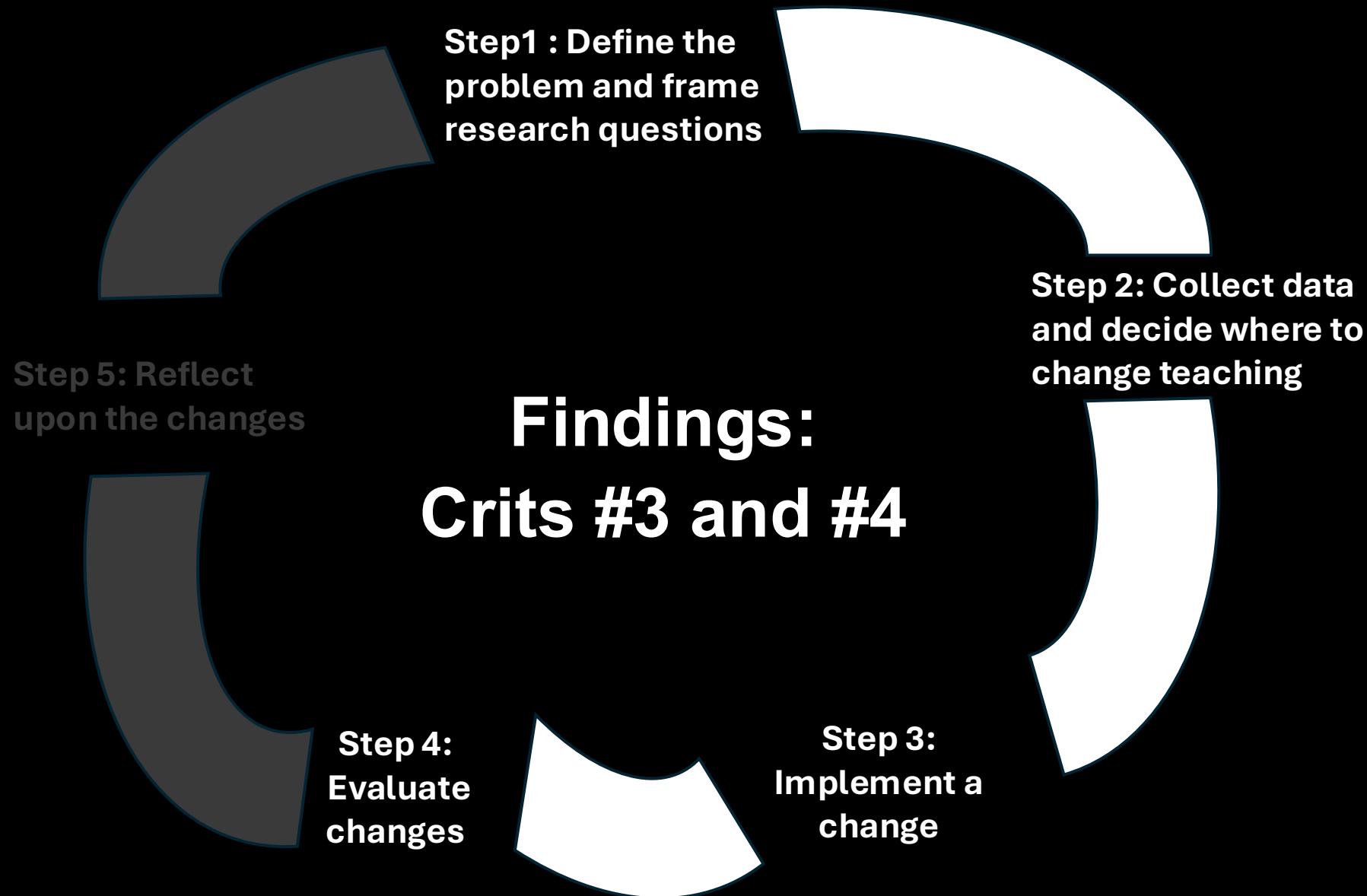
- Who are the users who cannot use your app?
- Consider the matrix of domination (pictured left) to prompt your thinking.
- Is there power or influence at play in how you shape your app? Have your own biases informed the design. Discuss.



## Changes to App

- Given the excluded users, suggest some changes you could make to your app to make it more inclusive.

Note inclusion of matrix of domination (Collins, 1990), to prompt reflection.



# Crit #3: Develop

Clear shift to right hand side!

Both groups made clear mention of **characteristics**.

A2 "people from an older age range"

B2 "to accommodate both age and ability when used"

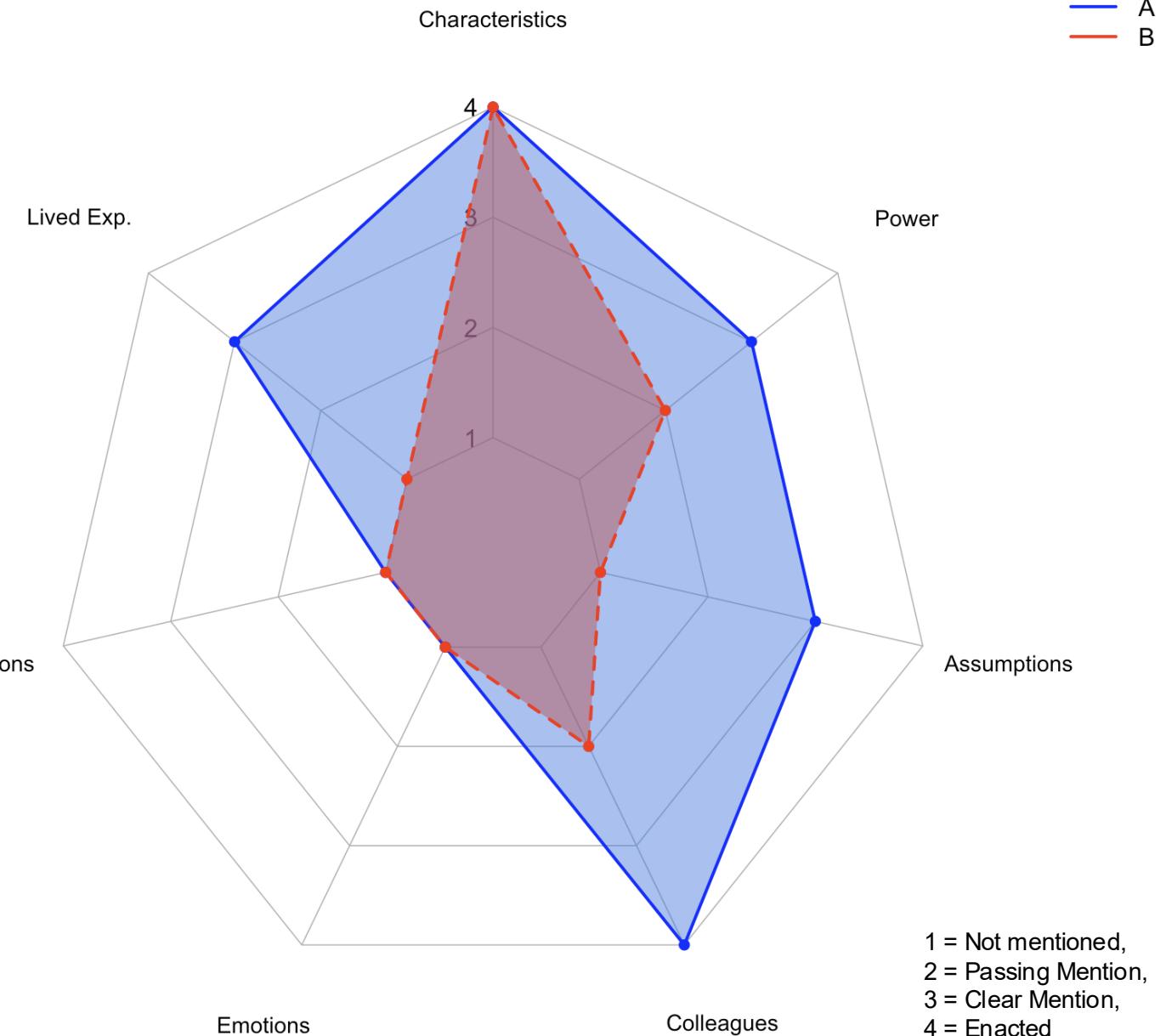
Group A better at **power**.

A1 "input from elders might not be as vast"

Group A started identifying **assumptions** more explicitly.

A2 The choice of TikTok was "initially inspired by our own age ranges... [we] thought this influenced our design quite a bit"

A2 "When we initially thought of our design we were under the assumption that everyone would be able to use TikTok"



# Crit #4: Final

**Context:** To give a summary of all work so far, like a final pitch.

**Characteristics** stayed strong.

Group A very good at **assumptions**, continuing from previous crit.

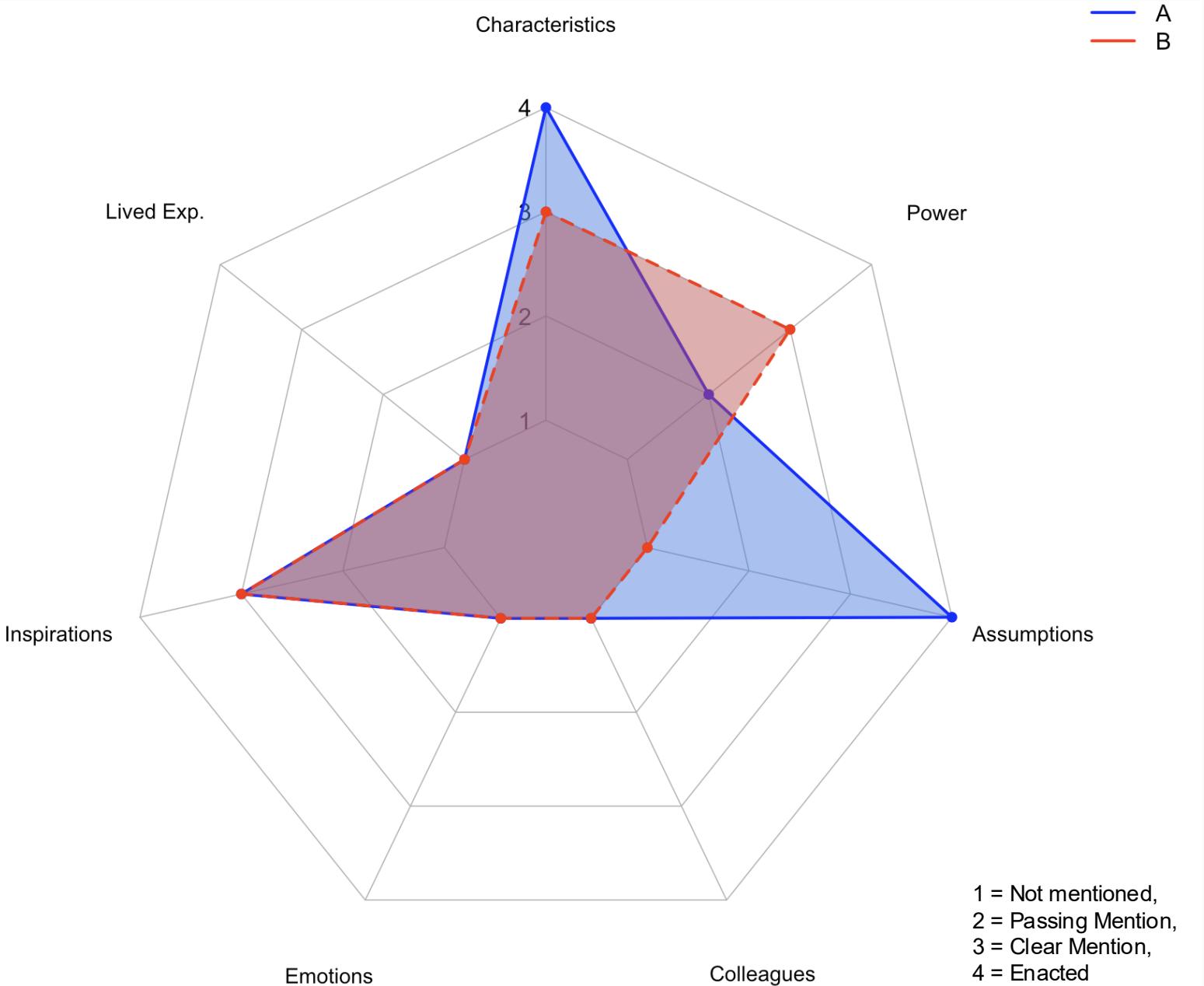
Evidence that group B followed on to continue thinking about **power**.



"most pressing is the economic reason"



"Except from the part on how wealthy they are... [our design] is quite expensive"



# Closing Reflections

**Step 5: Reflect  
upon the changes**

**Step1 : Define the  
problem and frame  
research questions**

**Step 2: Collect data  
and decide where to  
change teaching**

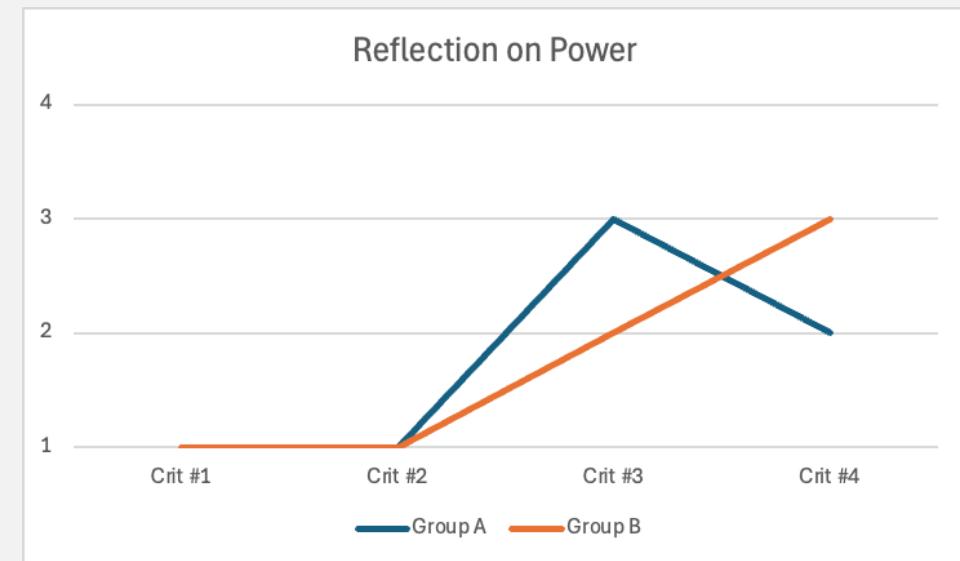
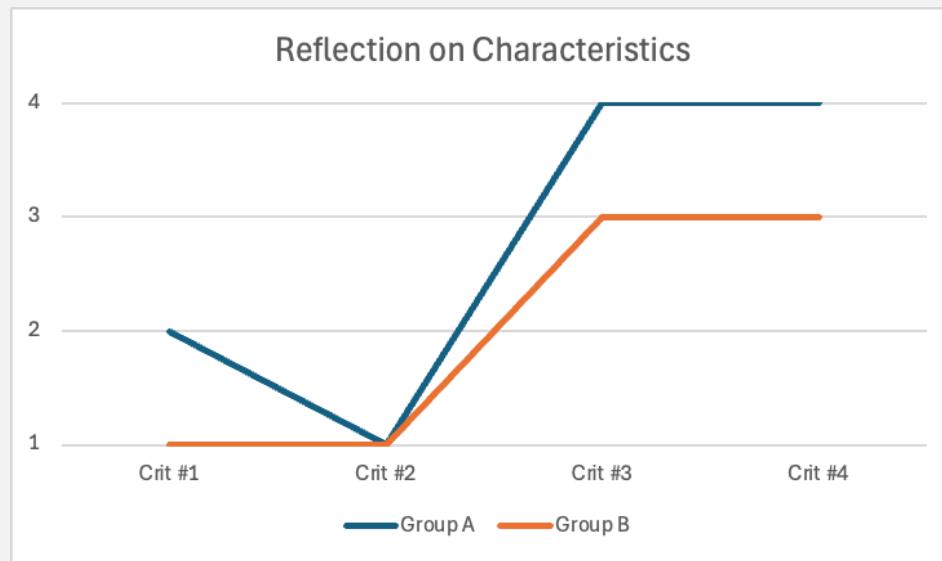
**Step 4:  
Evaluate  
changes**

**Step 3:  
Implement a  
change**

# Closing Reflections

RQ: How can I create a **check for myself** to ensure that students reflect on their **positionality *holistically*** throughout my course's crits?

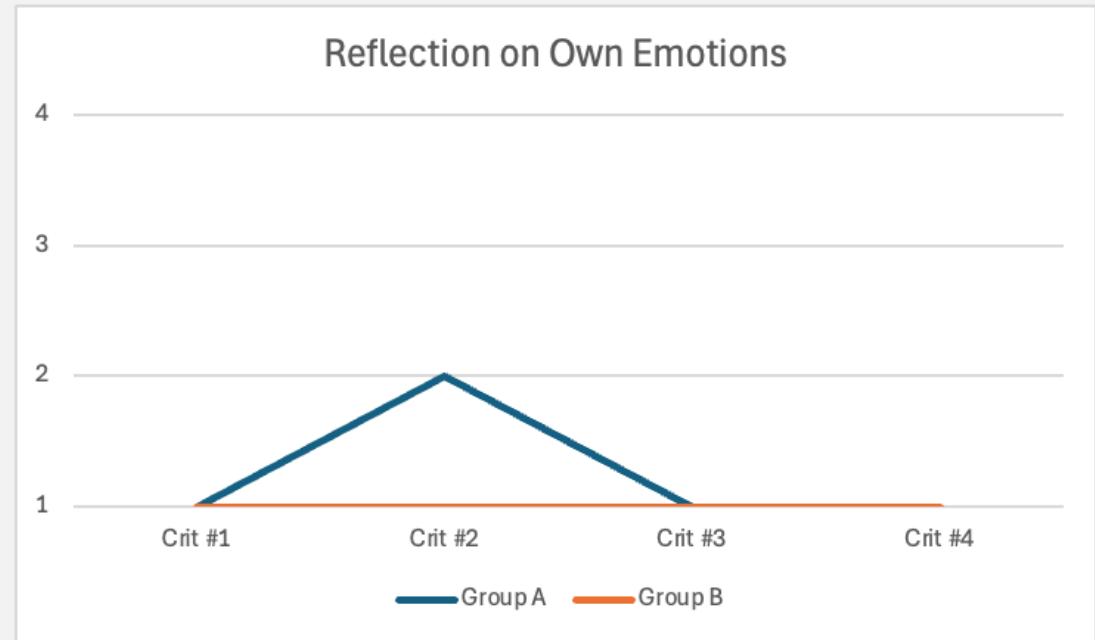
- Scheme helped to identify weak areas to target in intervention. E.g. clear gains on power and characteristics.



# Closing Reflections

Scheme gave useful ways to look at positionality – but is not capturing everything.

More objective than guessing but, still my own assessment.



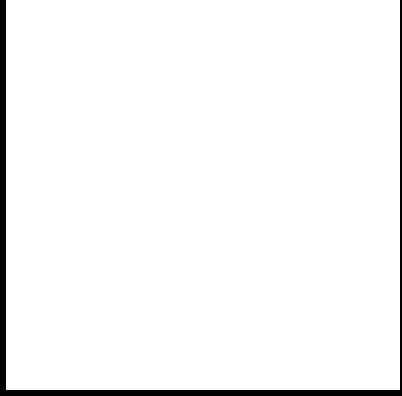
# Closing Reflections

Self-fulfilling prophecy?

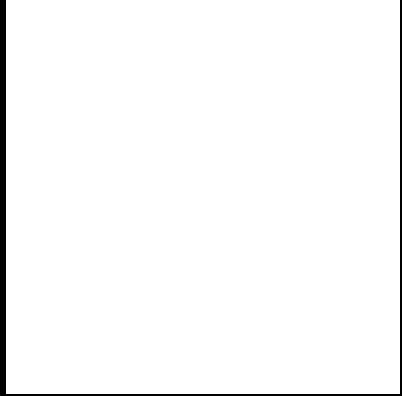
- I made and scored the scheme, and the intervention.

**Future work:**

- Extend and validate more widely.
- Not just crits: reworked for students to self-assess?



# Reference List



Braun, V. and Clarke, V. (2006) 'Using Thematic Analysis in Psychology', *Qualitative Research in Psychology*, 3(2), pp. 77–101.

Braun, V. and Clarke, V. (2019) 'Reflecting on Reflexive Thematic Analysis', *Qualitative Research in Sport, Exercise and Health*, 11(4), pp. 589–597. Available at: <https://doi.org/10.1080/2159676X.2019.1628806>.

Collins, P.H. (1990) 'Black feminist thought in the matrix of domination', *Black feminist thought: Knowledge, consciousness, and the politics of empowerment*, 138(1990), pp. 221–238.

Finlay, L. (2002) "Outing" the Researcher: The Provenance, Process, and Practice of Reflexivity', *Qualitative Health Research*, 12(4), pp. 531–545. Available at: <https://doi.org/10.1177/104973202129120052>.

Hanington, B. and Martin, B. (2019) *Universal Methods of Design, Expanded and Revised: 125 Ways to Research Complex Problems, Develop Innovative Ideas, and Design Effective Solutions*. Expanded and Revised. Beverly, Massachusetts: Rockport Publishers.

Nonnis, A. (2021) *Playful E-textile Sonic Interaction for Socially Engaged and Open-Ended Play Between Autistic Children*. PhD Thesis. Queen Mary University of London. Available at: <https://qmro.qmul.ac.uk/xmlui/handle/123456789/83072>.

Ortiz, A.P. et al. (2018) 'Positionality in Teaching: Implications for Advancing Social Justice', *The Journal of General Education*, 67(1), pp. 109–121.

Pahome, D. (2024) 'Observation sheet – an essential tool for facilitating learning', *Romanian Review of Geographical Education*, XII(1–2), pp. 5–16. Available at: <https://doi.org/10.23741/RRGE20231>.

Rankl, F., Johnson, G.A. and Vindrola-Padros, C. (2021) 'Examining What We Know in Relation to How We Know It: A Team-Based Reflexivity Model for Rapid Qualitative Health Research', *Qualitative Health Research*, 31(7), pp. 1358–1370. Available at: <https://doi.org/10.1177/1049732321998062>.

Singh, A. et al. (2025) 'Exploring Positionality in HCI: Perspectives, Trends, and Challenges', in *Proceedings of the 2025 CHI Conference on Human Factors in Computing Systems*. New York, NY, USA: Association for Computing Machinery (CHI '25). Available at: <https://doi.org/10.1145/3706598.3713280>.

Tong, A., Sainsbury, P. and Craig, J. (2007) 'Consolidated Criteria for Reporting Qualitative Research (COREQ): A 32-Item Checklist for Interviews and Focus Groups', *International Journal for Quality in Health Care*, 19(6), pp. 349–357. Available at: <https://doi.org/10.1093/intqhc/mzm042>.

Thank you

[\(c.ford@arts.ac.uk\)](mailto:c.ford@arts.ac.uk)

[arts.ac.uk](http://arts.ac.uk)