

The Dimensions of Positionality Observation Chart

Action Research Project

14th 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.

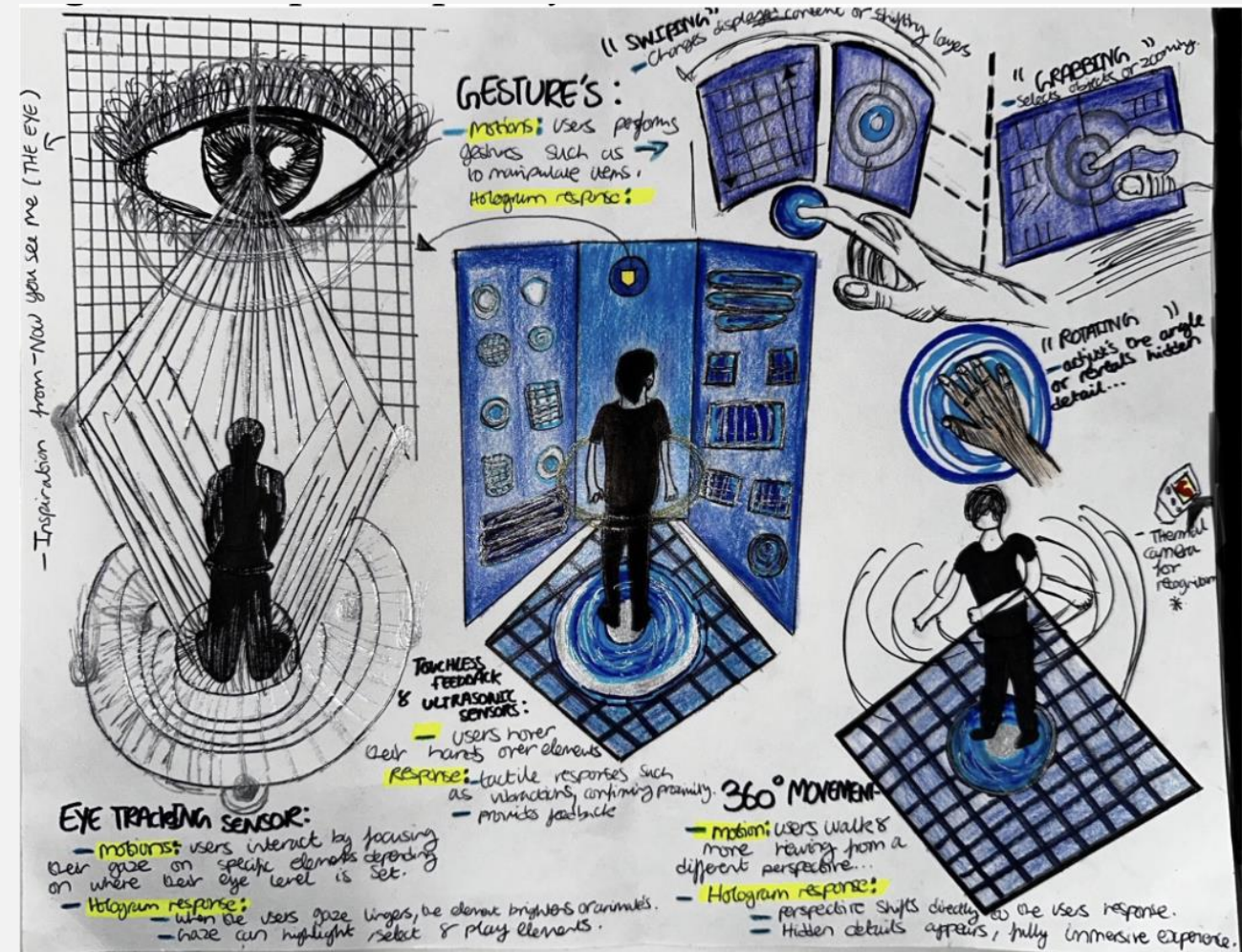
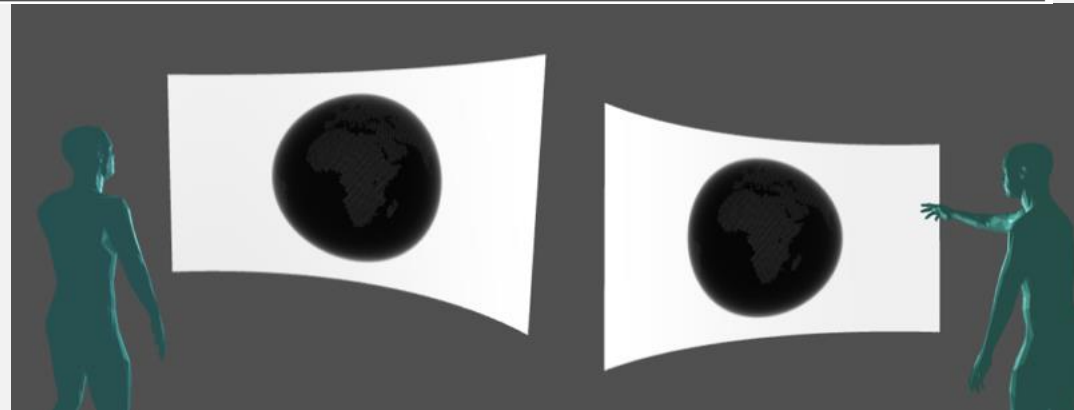
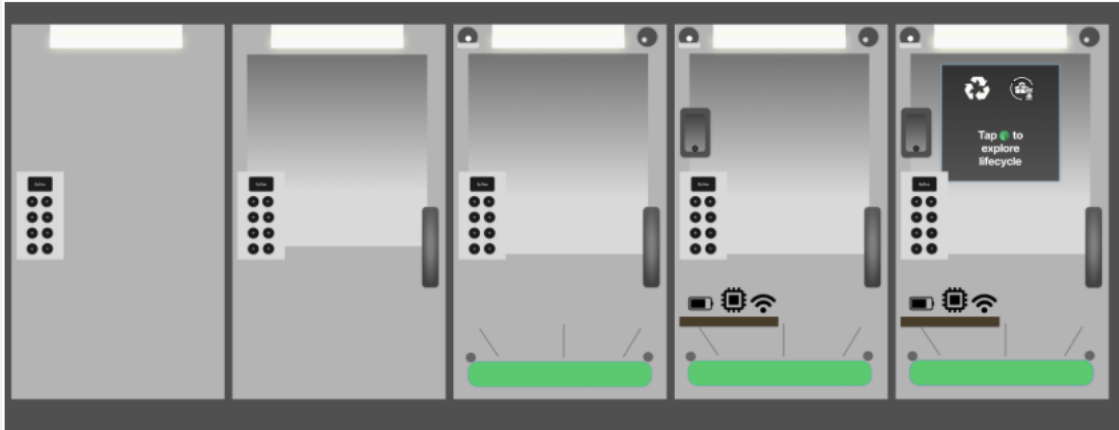
Final weeks – 4 crits of own speculative design ideas for a technology.

– Formative front of class presentations w/ written feedback.



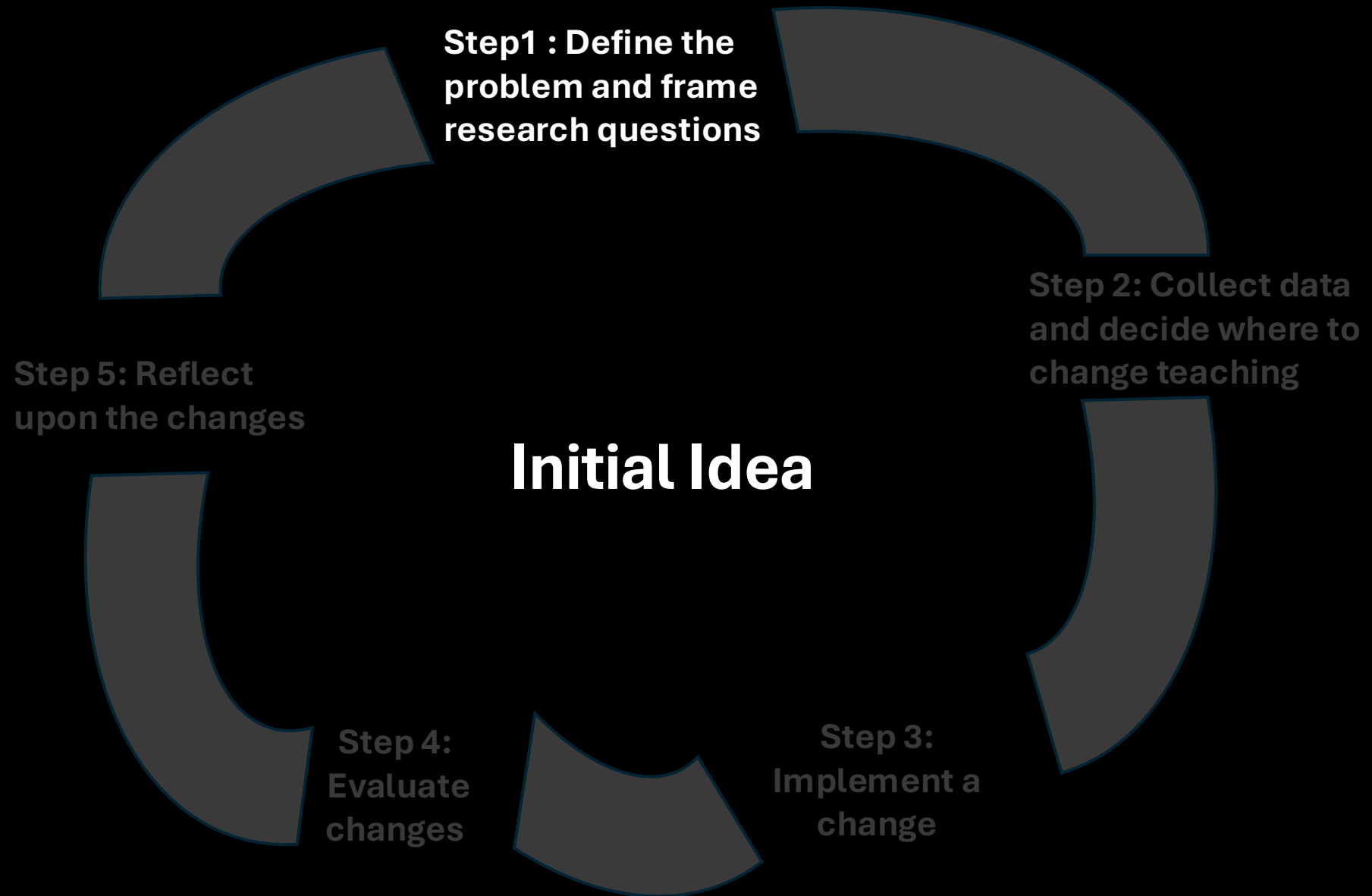
Image from University for the Creative Arts: [link](#)

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.



Research Methods

■ Panopto + Thematic Analysis

The screenshot shows a Panopto video player interface. The main video area displays a lecture slide titled "Research Questions" with the following content:

- 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]?

The video player includes a search bar, a table of contents on the left, and a progress bar at the bottom. The table of contents lists various topics and their corresponding timestamps.

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

■ 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**.

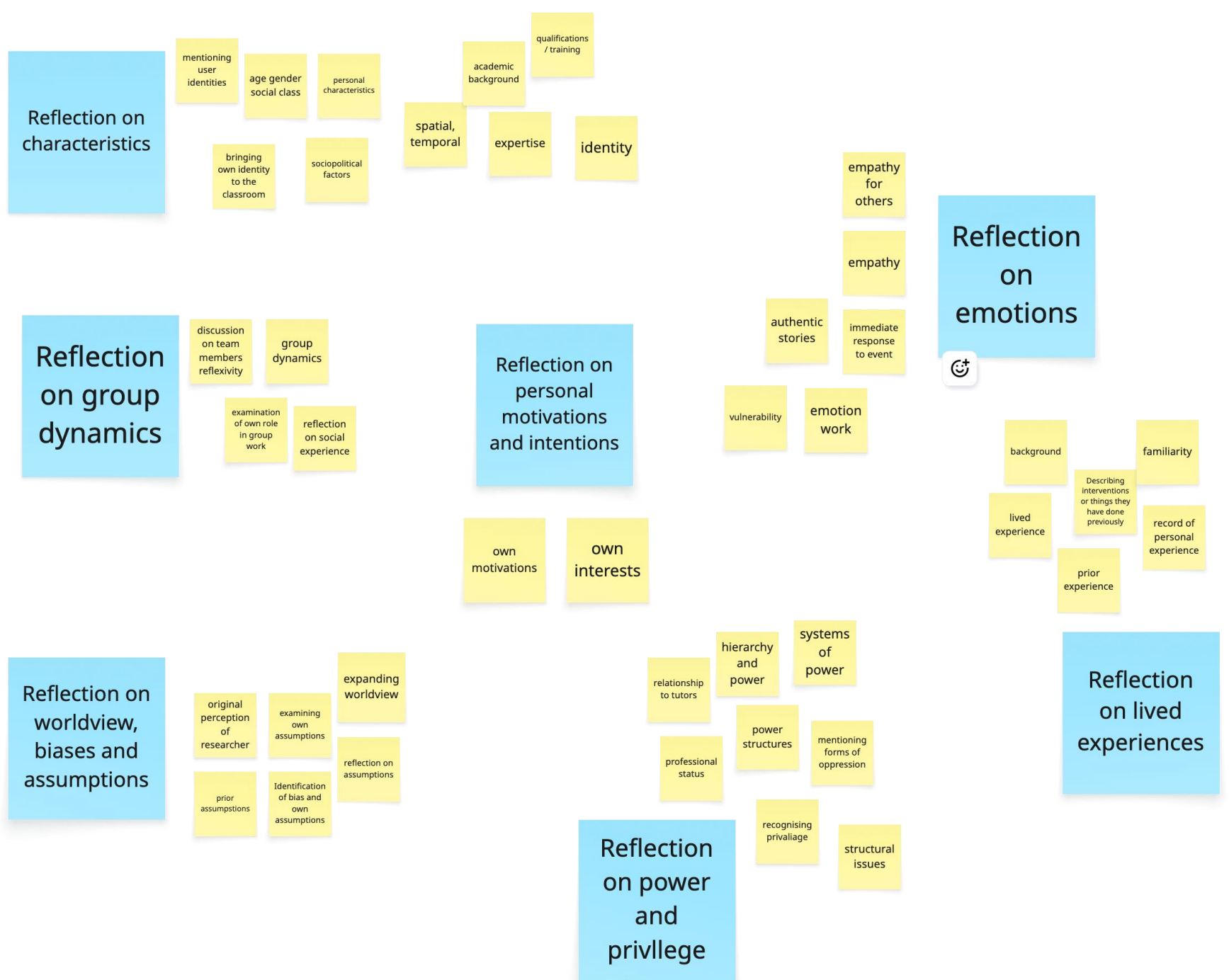
“What is the influence on your thinking?
How you think about the world? How you
think about technology? This is the goal
of positionality, not just a performative
thing.” – Corey’s Colleague

Post-it

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



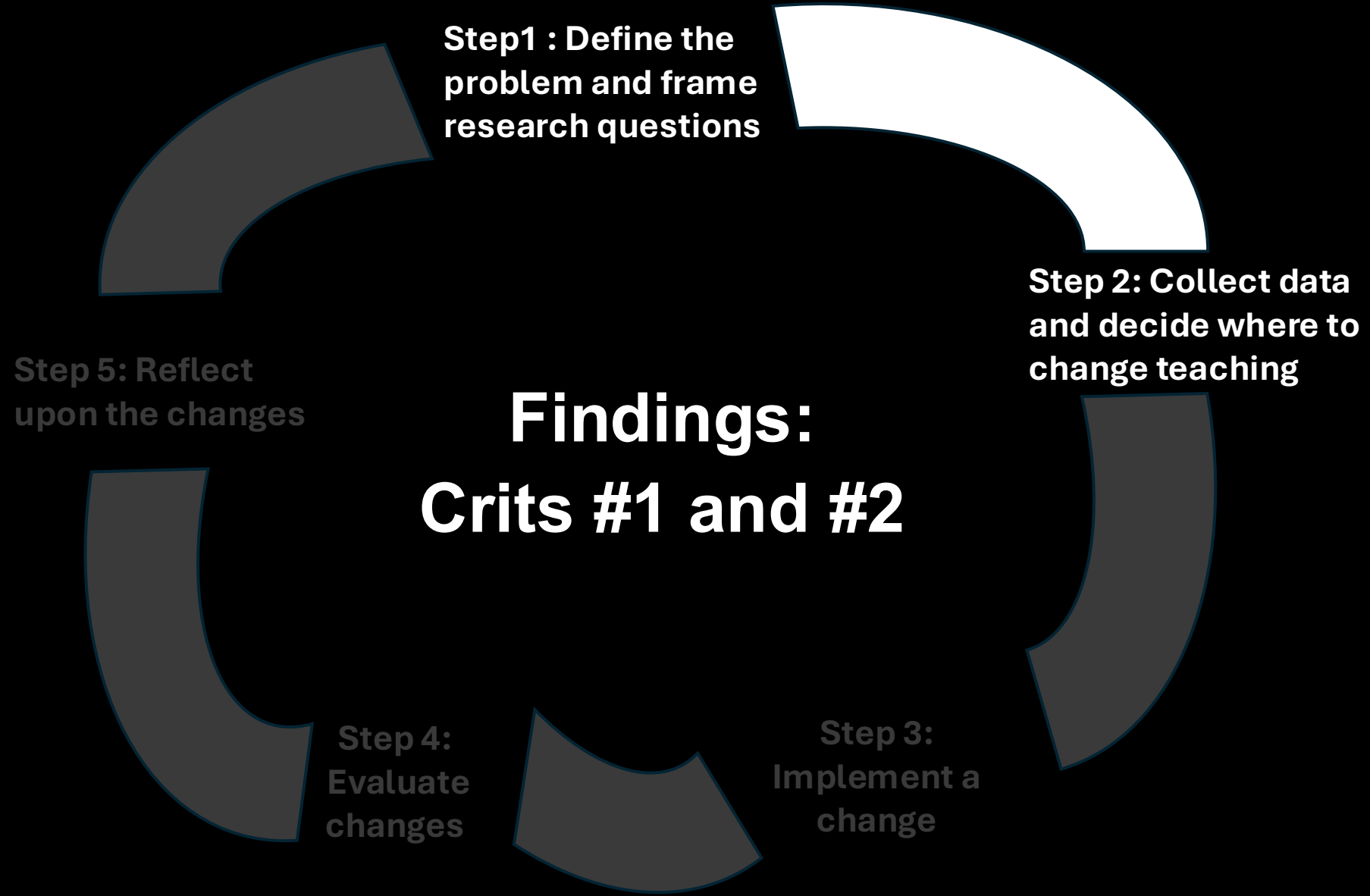
Topics



The Dimensions of Positionality Observation Chart v1

Initially Created: 15th Oct 2025

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



Crit #1 Ideate

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

B5 "inspired by snapchat, Instagram and google"

B4 "inspired by apps like ring"

A3 "inspired from last year, we had a project called"

Some **group dynamics** discussion.

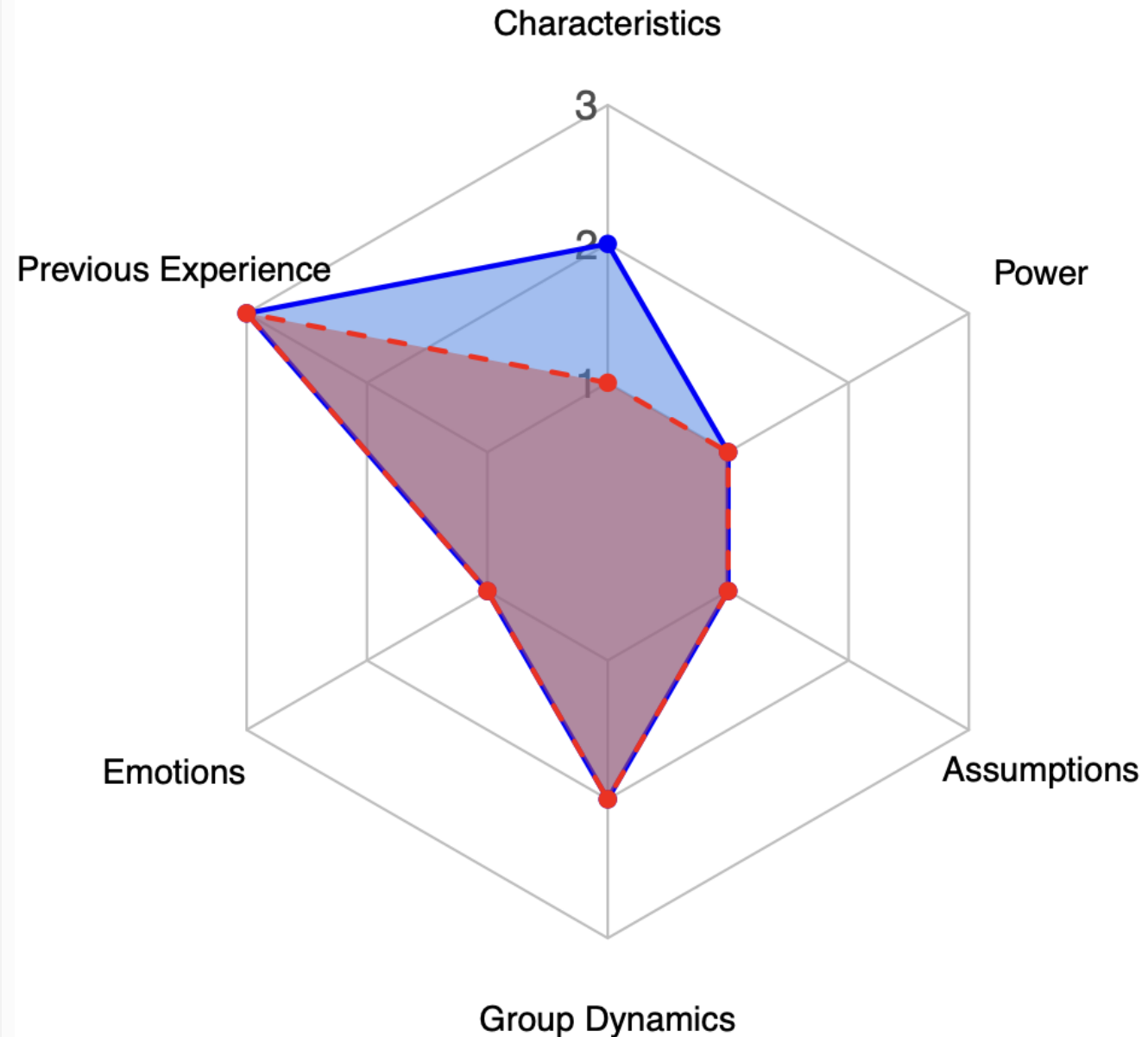
A2 "its quite similar to all our ideas"

B2 Ideas were "touched on by colleagues in the classroom"

Group A *just* discussed **characteristics**.

A1 "obviously we see videos from all over the world.... [users] will compare it to their own regional influences"

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



1 = Not mentioned,
2 = Mentioned,
3 = Enacted

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

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.

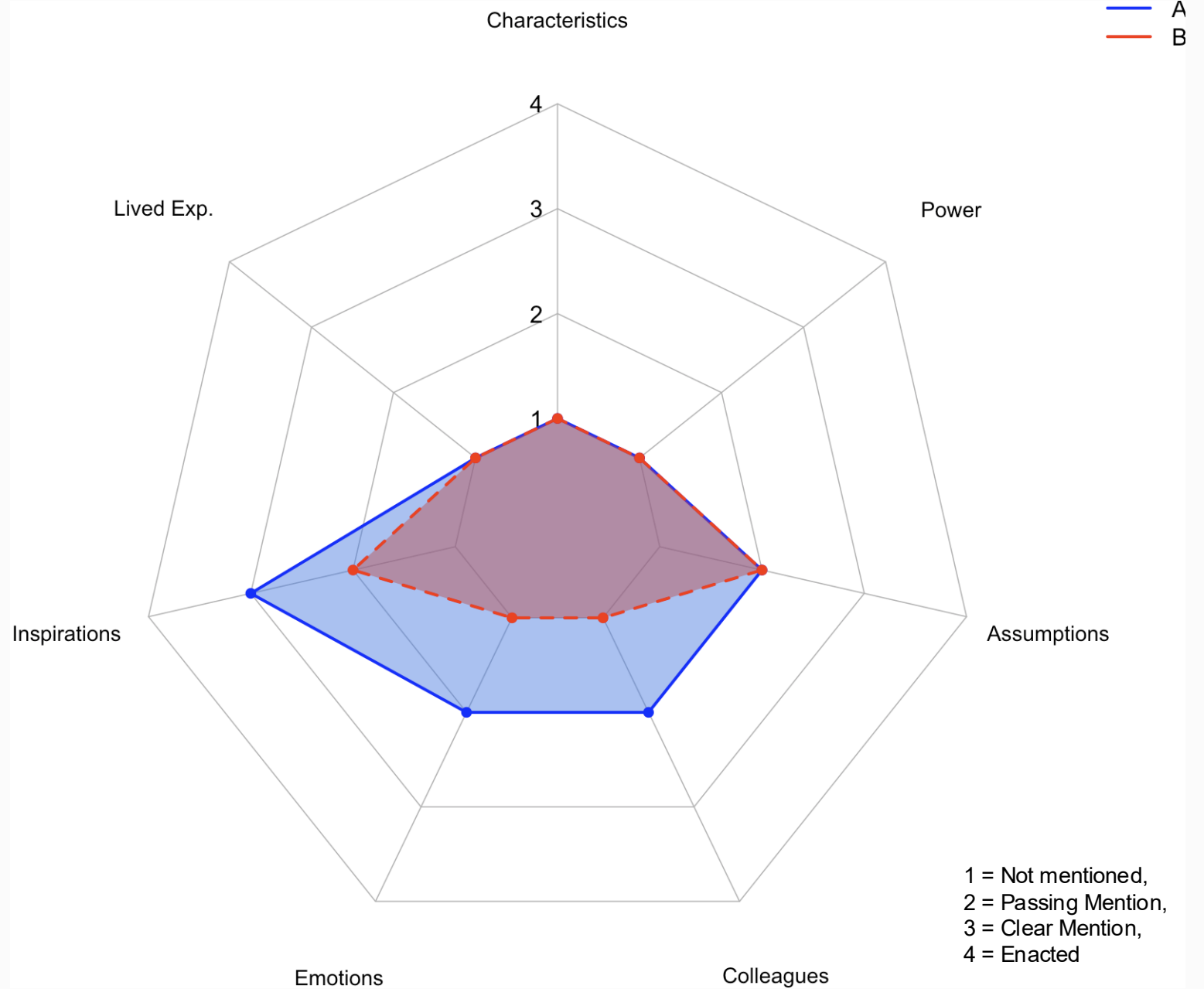


"I **thought that** the idea of a journal doesn't"



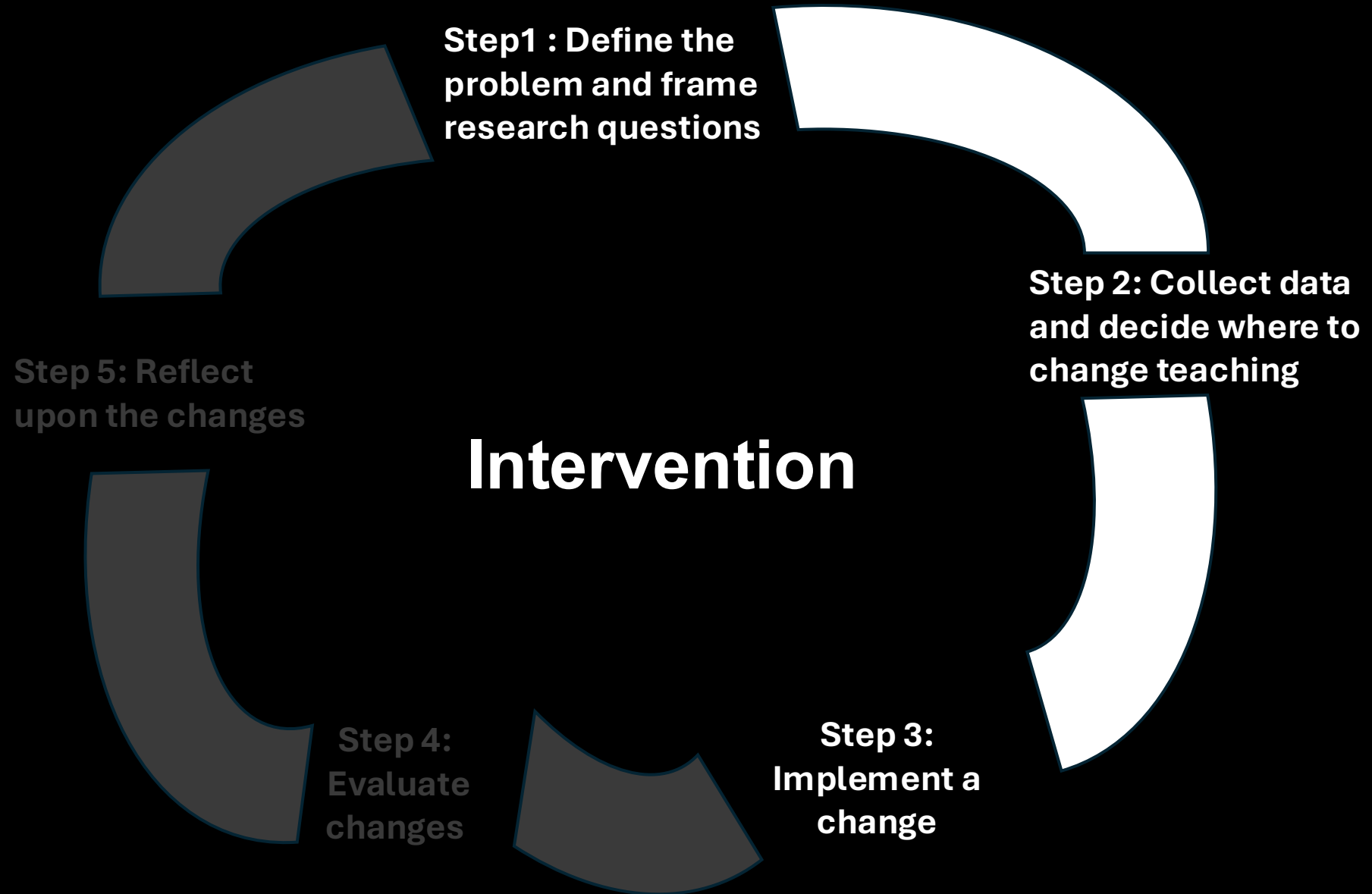
"I **feel** like your personality is really reflected in "

No **power**, **characteristics**, or **emotions**.

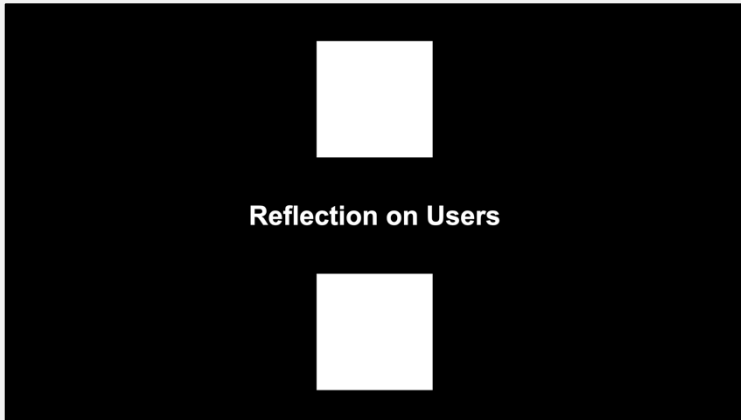


Category	Example Phrases to Look For	Score	Teacher Observations e.g. quotes and timestamps
Reflection on Characteristics Mentions of aspects of intersectional identities, either one's self or possible user	<ul style="list-style-type: none"> As a X person... From my position as a... 	<div>Not Mentioned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

Added concrete examples
from crit quotes.



Asking for reflection on users

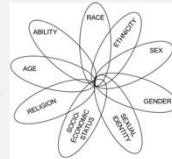


Target Users

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

Excluded Users

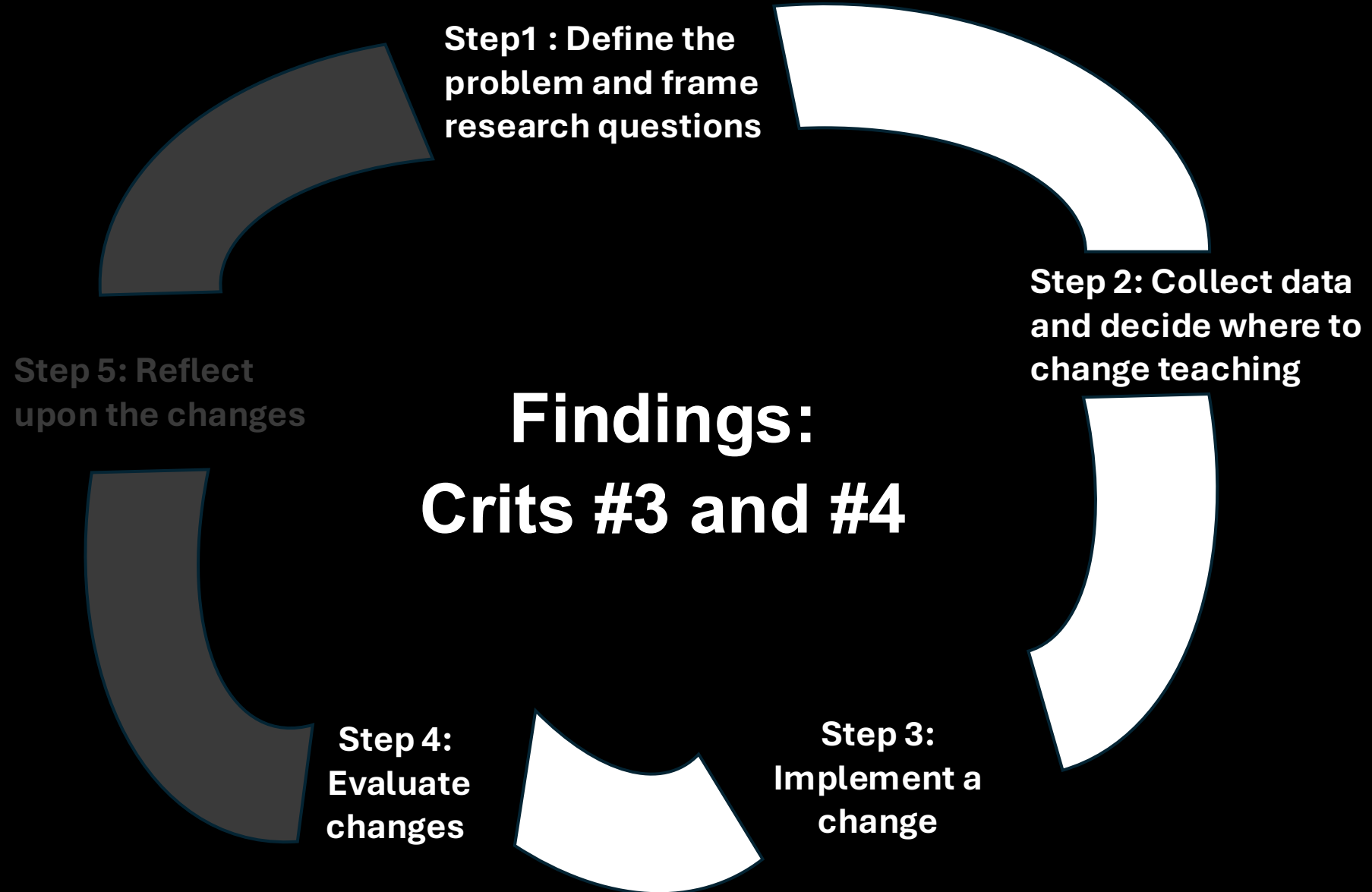
- Who are the users who cannot use your app?
- Consider the matrix of domination (pictured left) to prompt your thinking.
- Is there power or influence at play in how you shape your app? Have your own biases informed the design. Discuss.



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"

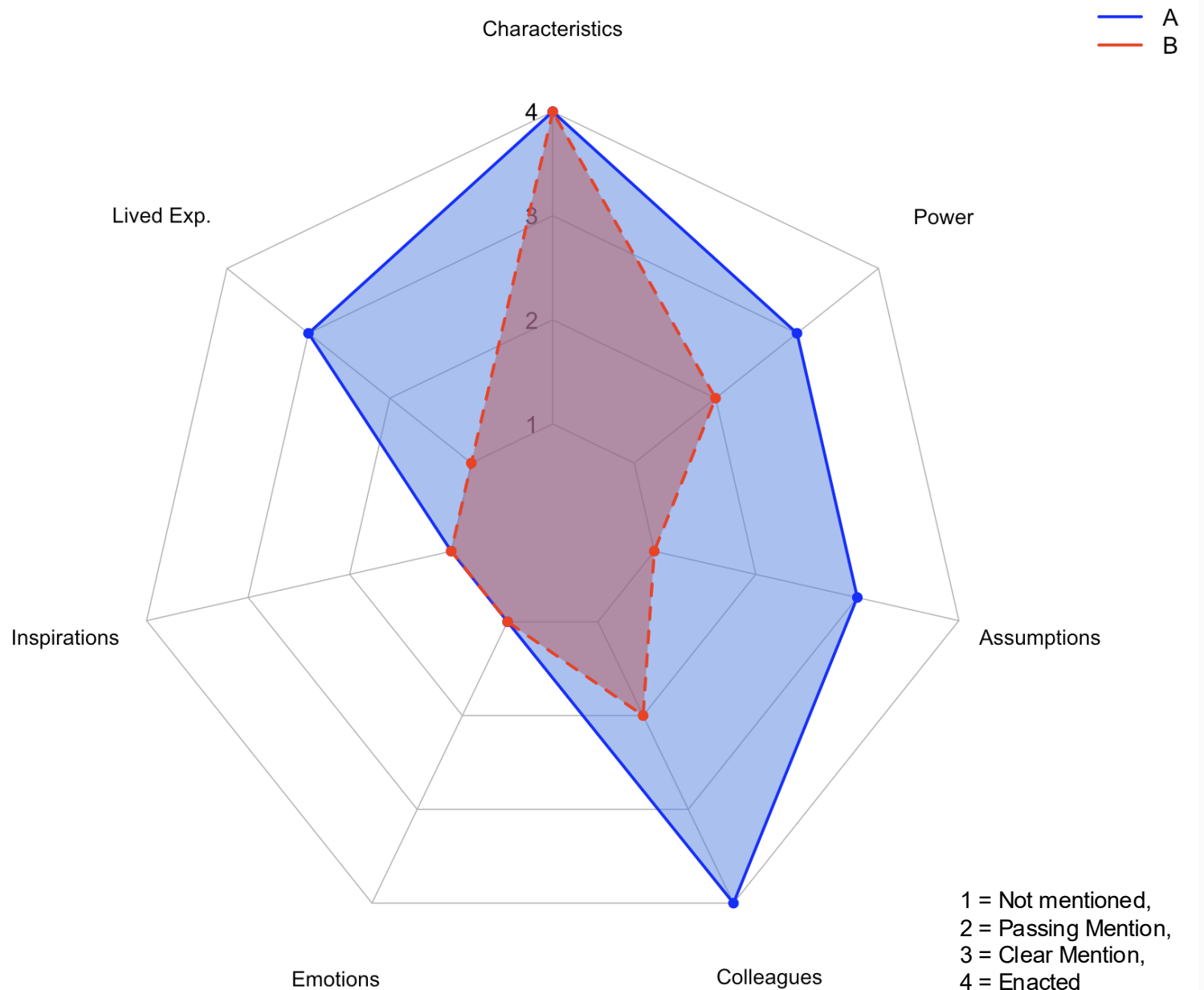
Group A better at **power**.

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 abit"

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.

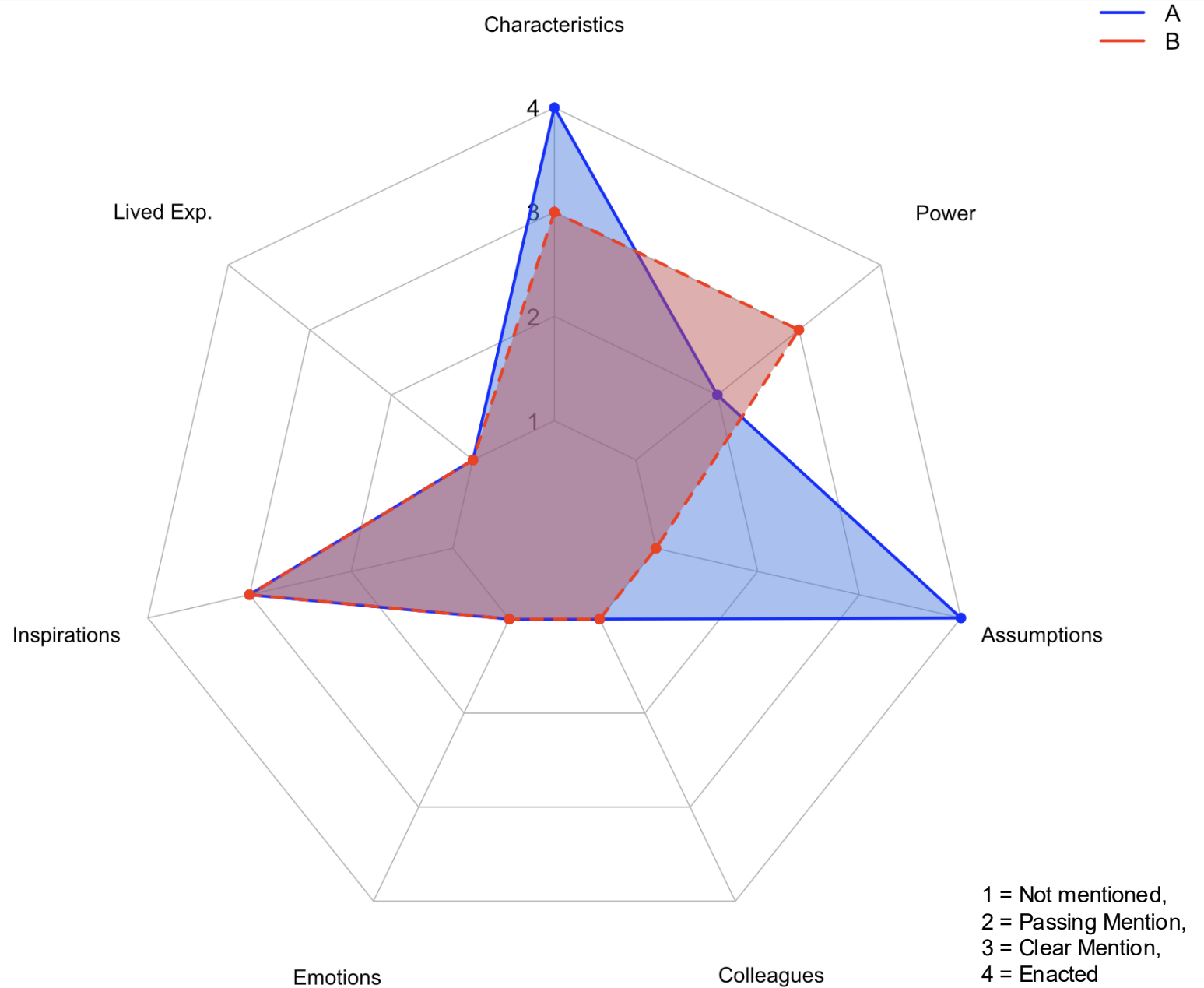
Evidence that group B followed on to continue thinking about **power**.

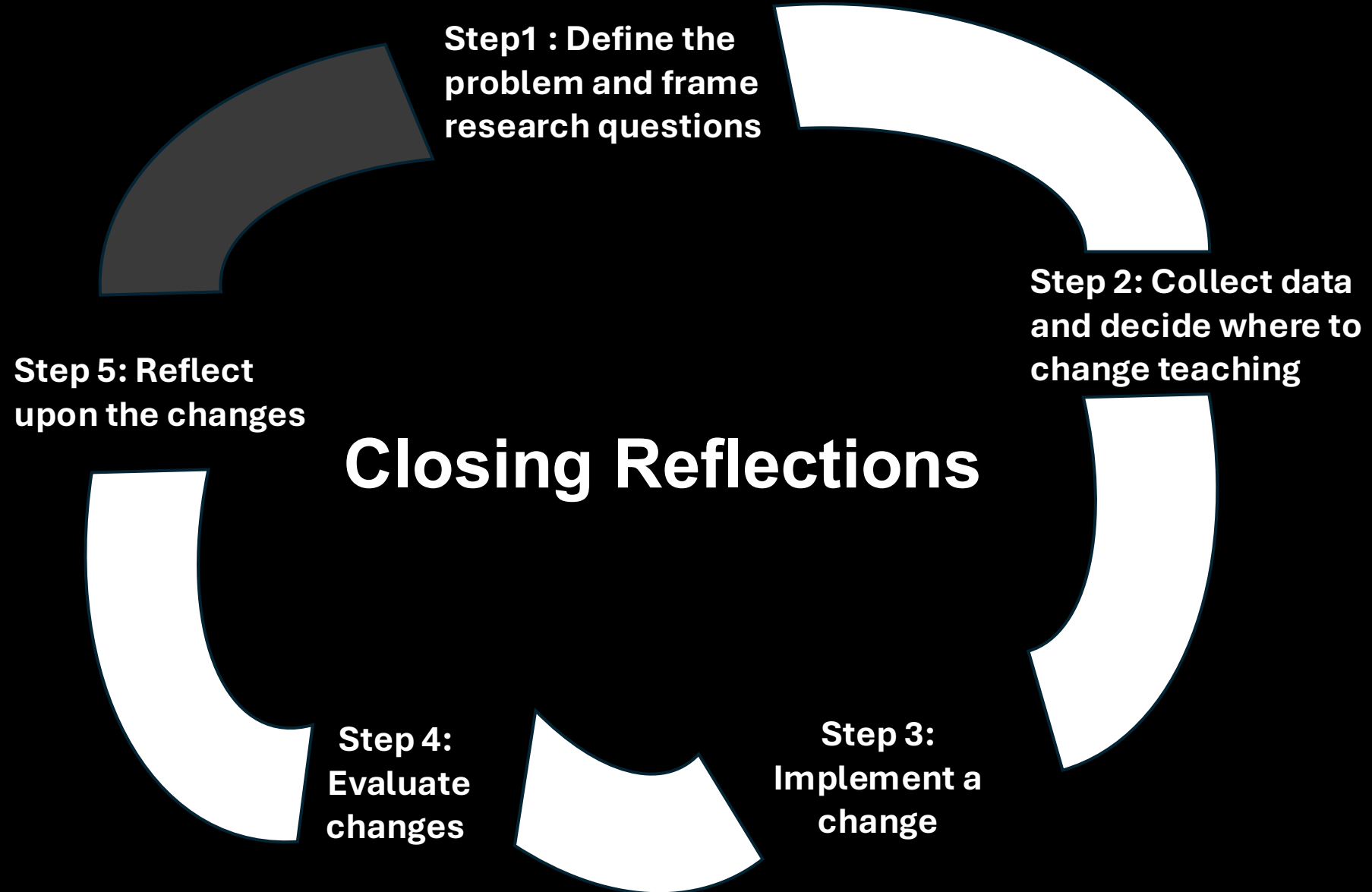


"most pressing is the economic reason"



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

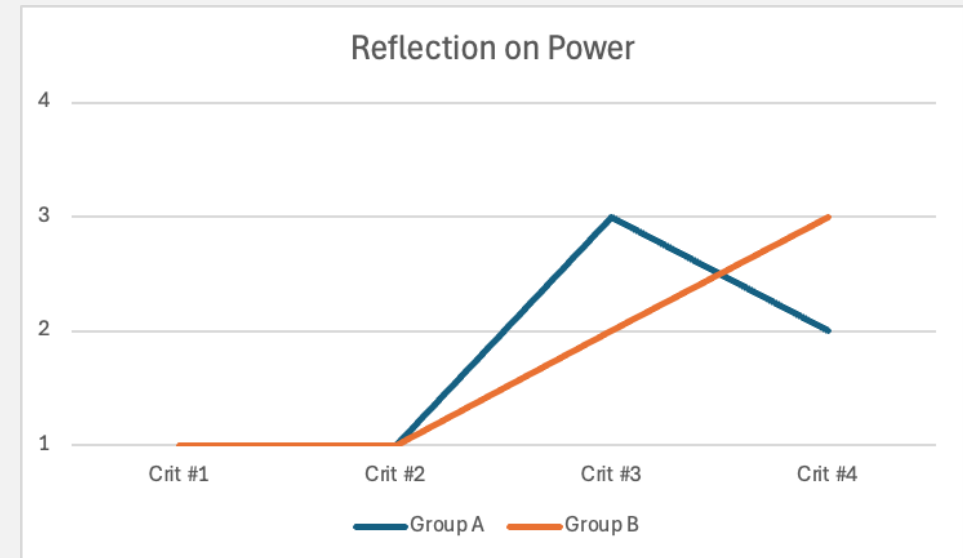
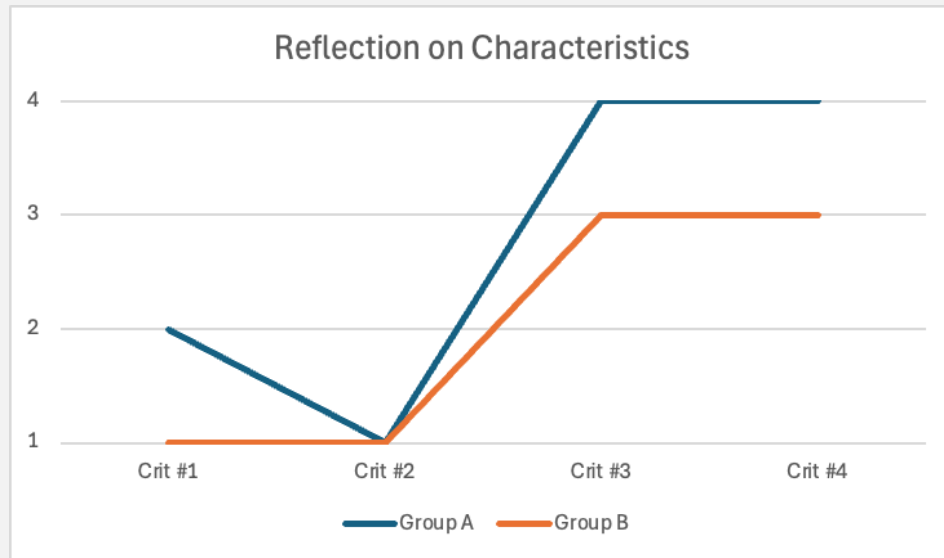




Closing Reflections

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

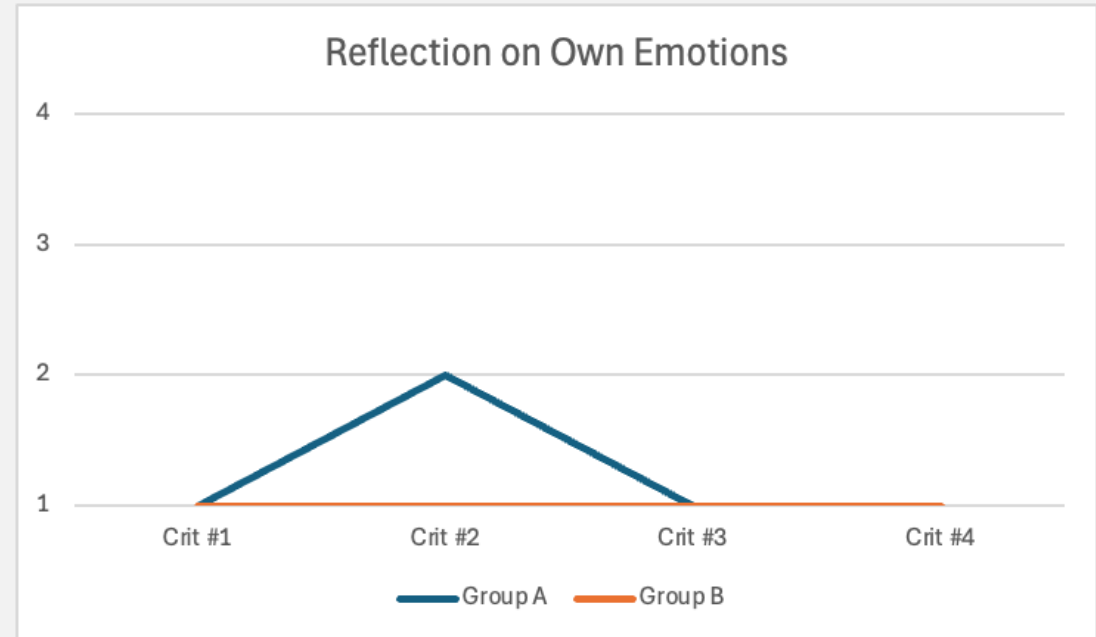
- Scheme helped to identify weak areas to target in intervention. E.g. clear gains on power and characteristics.



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)

arts.ac.uk