

Design Resources in Movement-based Design Methods: a Practice-based Characterization

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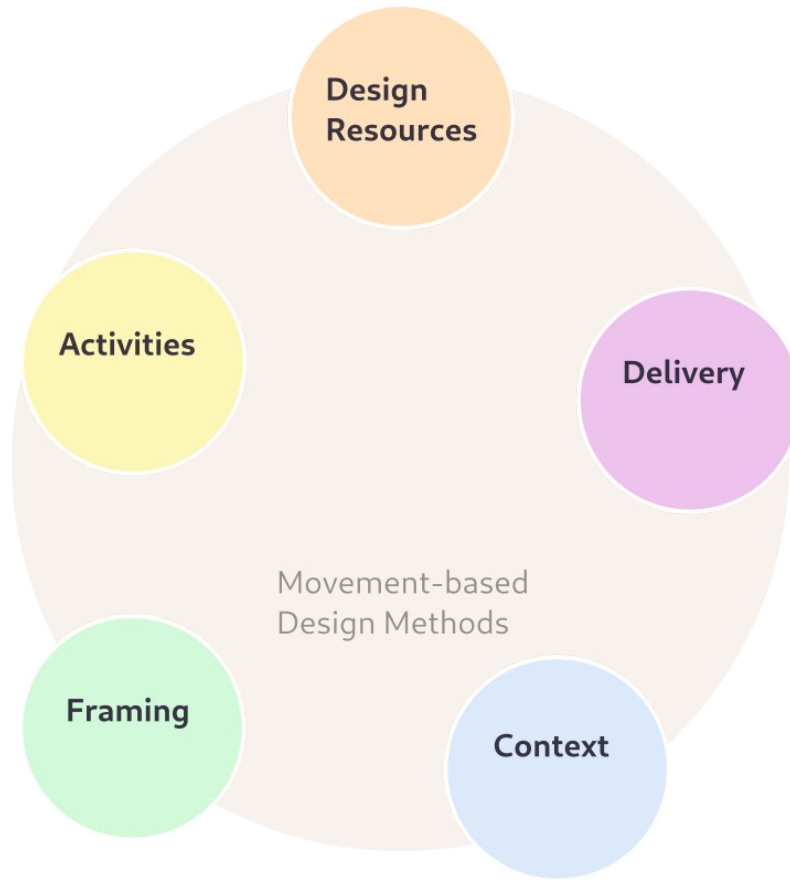
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Design Resources in Movement-based Design Methods: a Practice-based characterization

- Context and Aim
- Background
- Methodology
- Findings
- Examples
- Conclusions

Context: Movement-based Design Methods

- Early insights into embodied experience
- Multiple phases of design project
- Known and Documented Methods:
 - not always well-suited for a given project
- Designers often adapt or create them ad hoc

Our Aim

- Guiding designers in selecting, adapting or creating their methods
- Comprehensive characterization of methods
- Salient characteristics of methods that influence their applicability in different contexts

Background

- Relevant Movement-based Design Methods and Strategies
 - Bodystorming: Sensory Bodystorming, Performative Prototyping
 - Somatic Connoisseurship
 - Soma Design
 - Embodied Sketching
 - Estrangement
 - Role-playing: Informances, Larping
 - Service Walkthrough and Interaction Relabelling

Background

- Typography of Movement-based Design Methods
 - Andersen et al. (2020), seven submediums and three design stages
 - Wilde et al. (2017), focus on estrangement
 - Loke and Robertson (2013), focus on first-person perspective of person in movement

Our Work

- Bottom-up approach
- Larger corpus of methods
- Set of general and non-exclusive categories
- Recommendations for the reader

Methodology

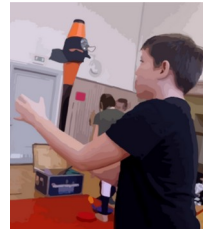
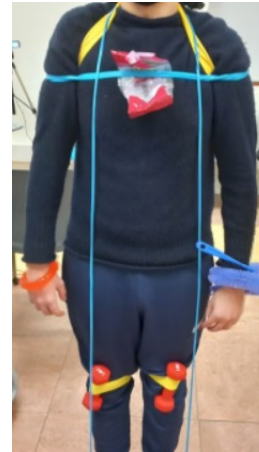


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- 41 movement-based design methods in 12 interaction design projects

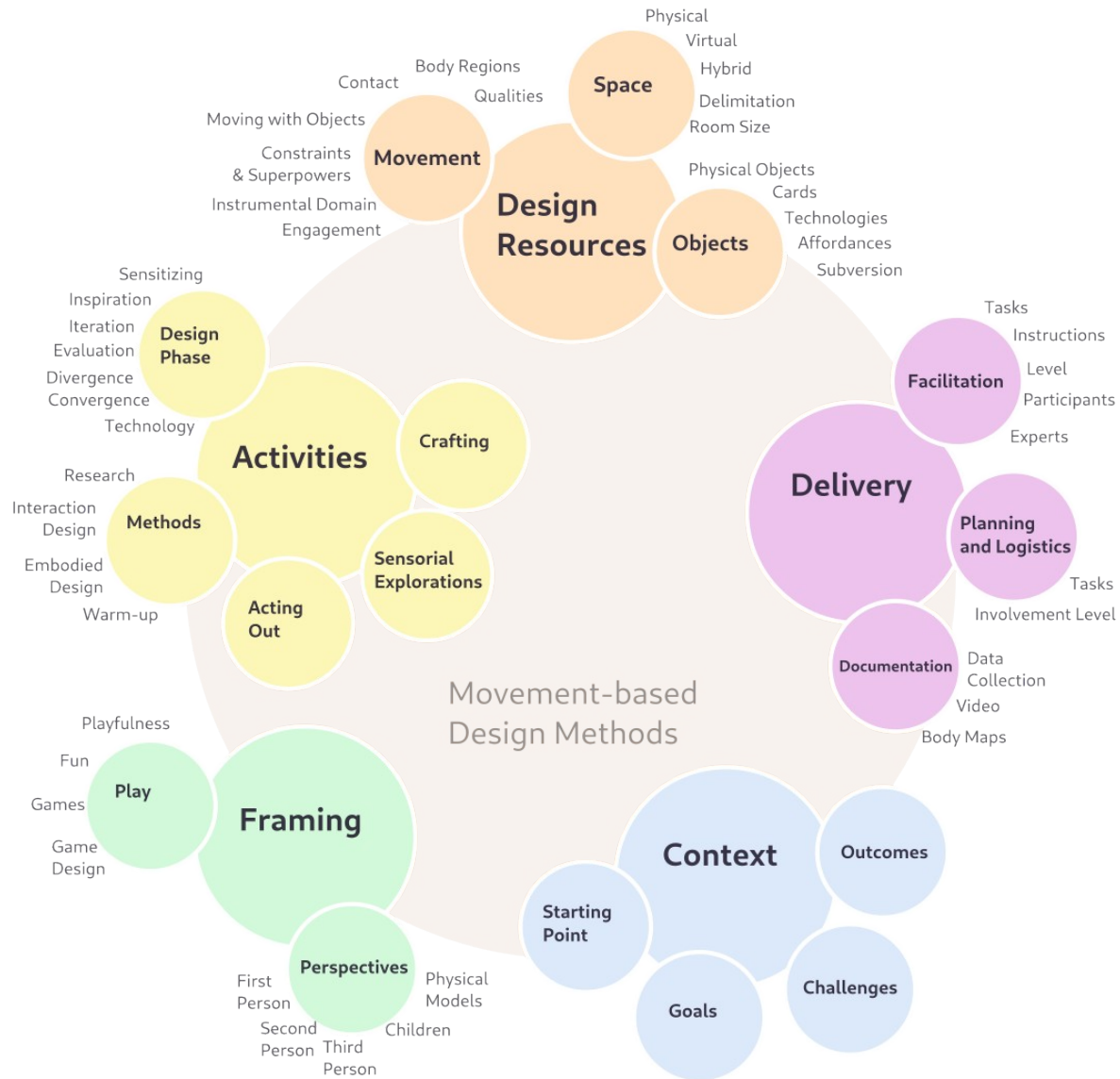


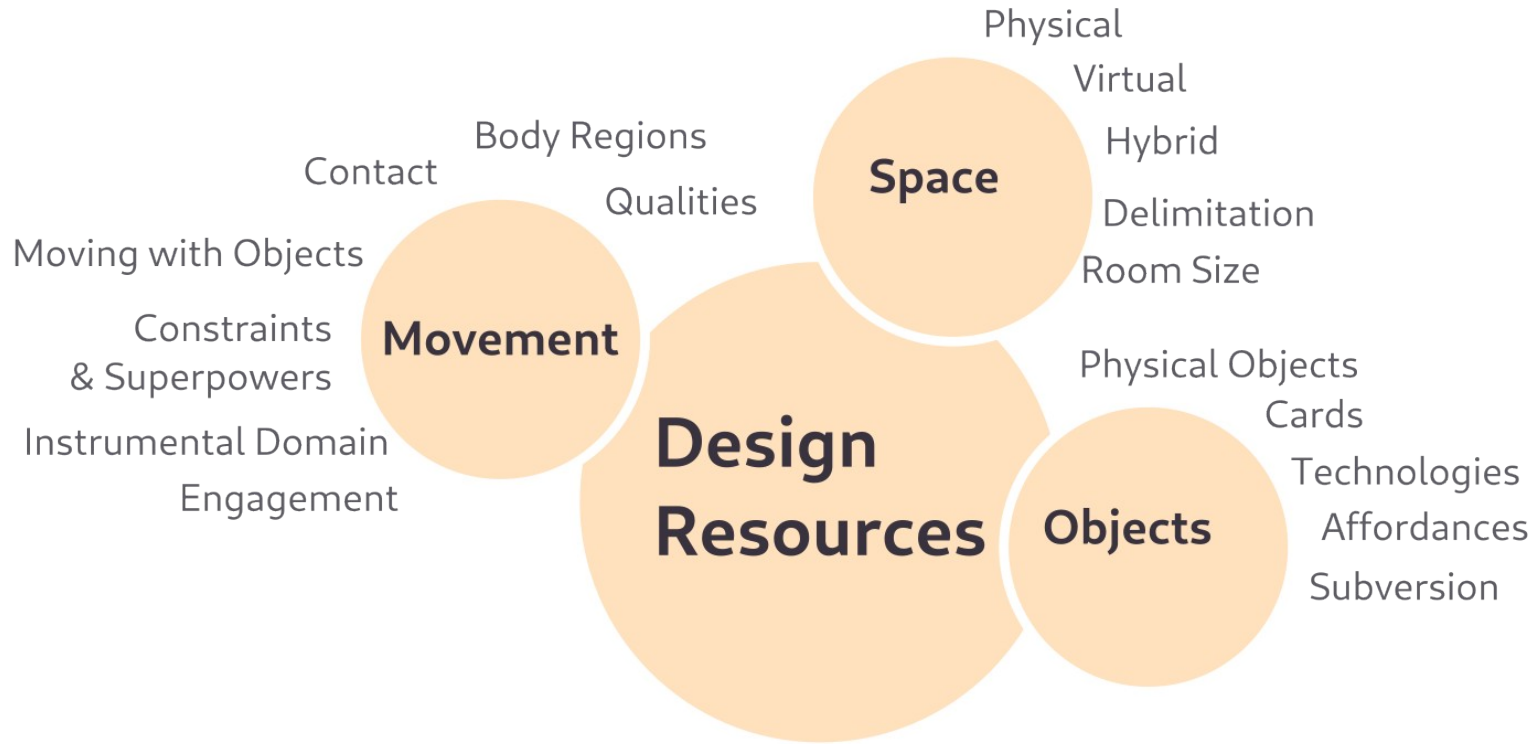
Methodology

- Thematic Analysis





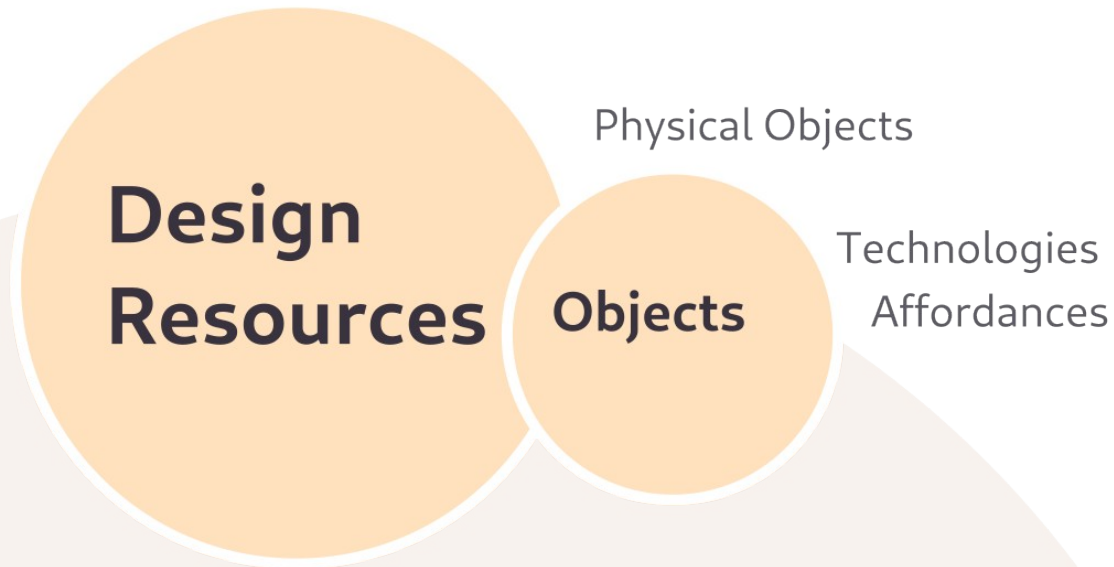




Examples

- Bodystorming Basket
- Focus on Design Goals
- Levels of Engagement

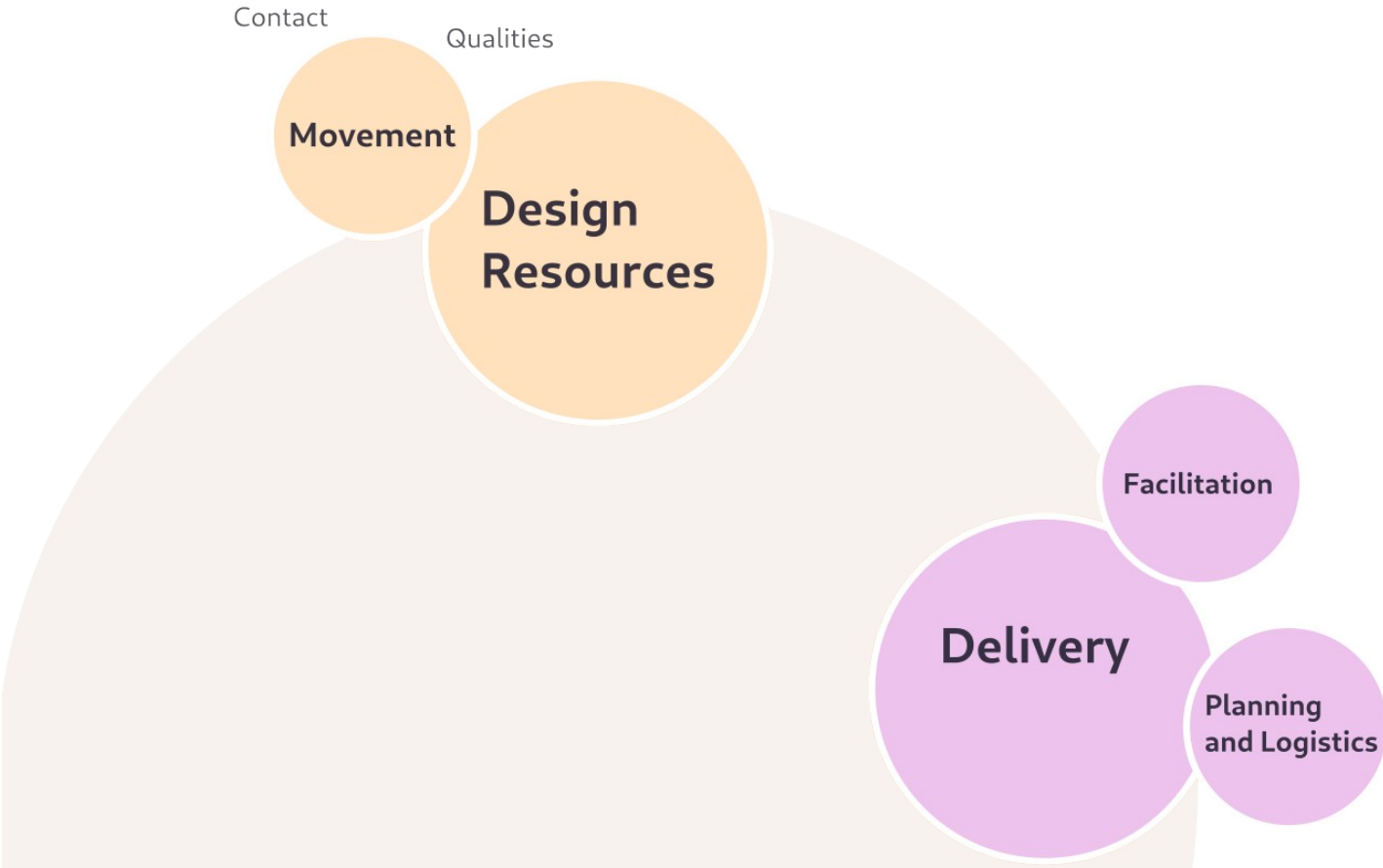
Bodystorming Basket



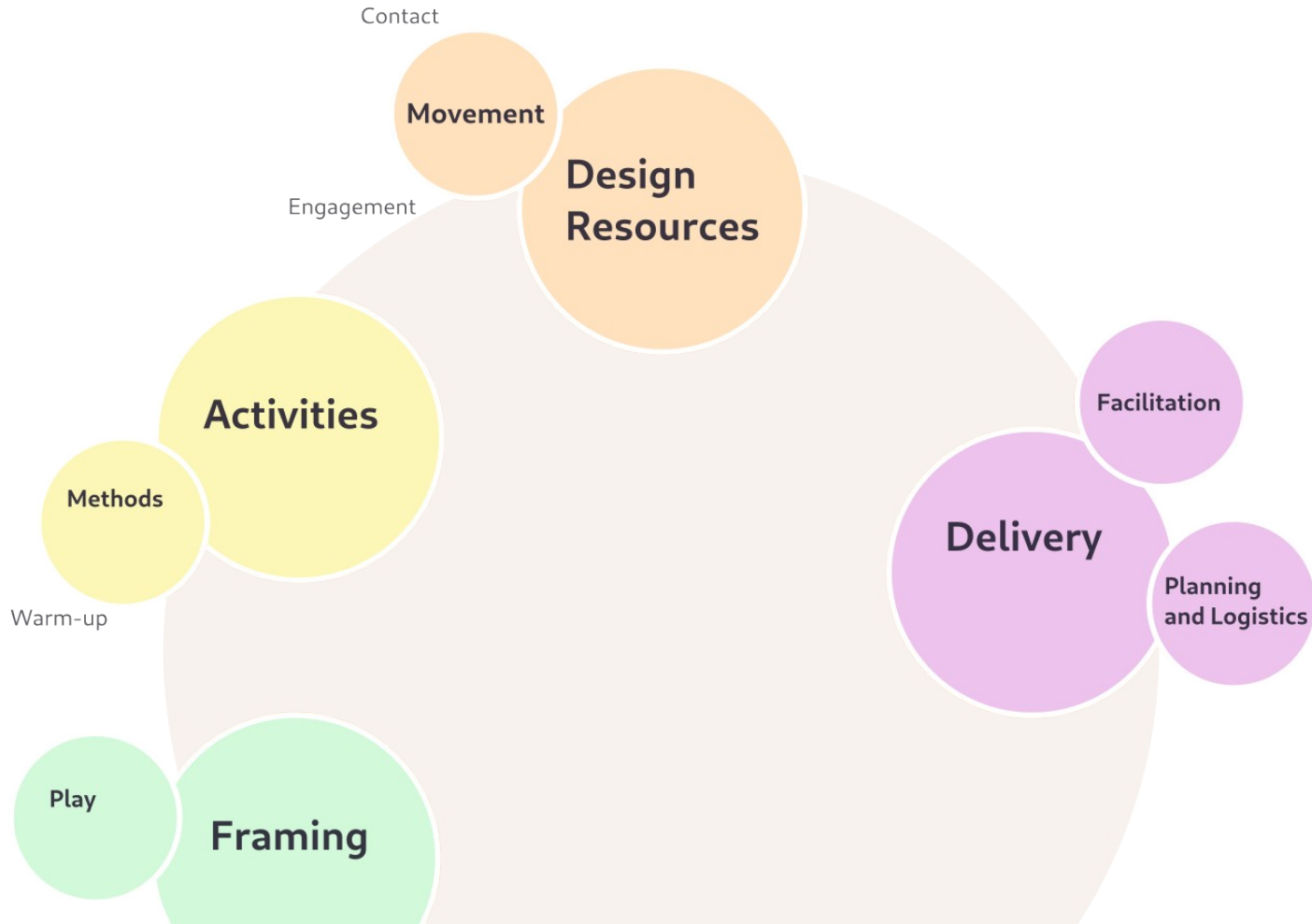
Focus on Design Goals

- Explicitly bring to the forefront of design activities:
 - Body orientations
 - Proxemics
 - Movement Qualities
 - Physical Contact

Focus on Design Goal



Levels of Engagement



Levels of Engagement

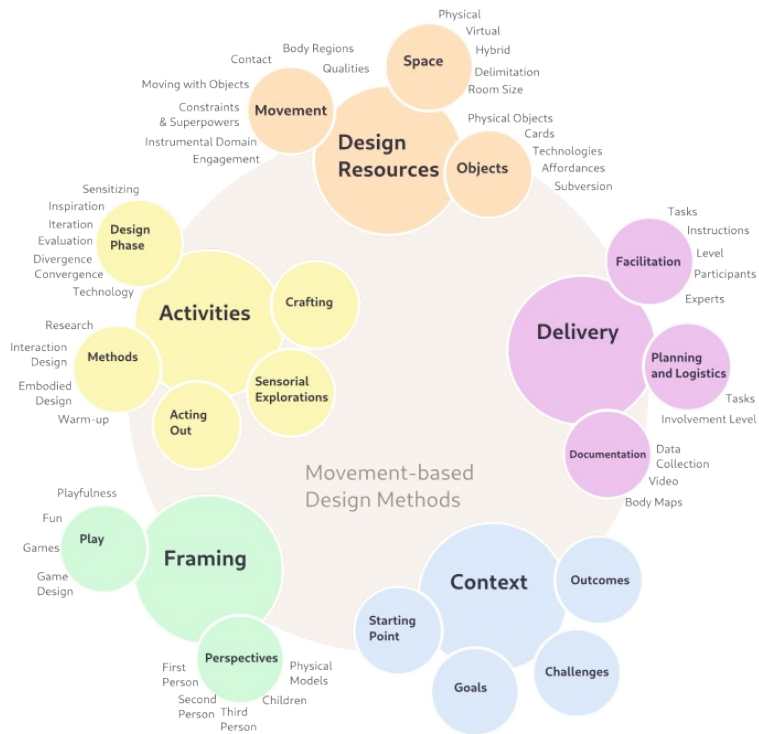
- Engagement should be at the core of the design of movement-based design activities
- Expectations should be tailored
- Alternate between energy levels
- Address the risks of physical injury
- Safe space: trust and consent
- Warm-up and games

Conclusion

- Focus on design resources in movement-based design methods with illustrative examples and action points
- Novice designers might benefit the most
- Not enough to overcome barriers of engagement
- Clearing up the space
- Articulation of tacit knowledge

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