PLANTER BARRIERS / OBJECT PROTOTYPE

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PROJECT									ATTRIBUTES				
									Quality	Durability	Readability	Portability	Resilience
	LEVEL 1 - NEEDS	Property Owner	identity										
			institution	public									
				private									
			funding										
		Stakeholders	identity	property owners	adjacent businesses								
					university								
				government agencies	public works								
				community members	pedestrians	pet owners							
						consumers							
						wheelchair users							
					vehicles								
					cyclists								
				advocacy groups	environmental								
					urban								
			needs	aesthetics									
				safety									
				privacy									
				ease of maintenance									
				cost									
			power	bureaucratic									
				civic									
				environmental									
				political									
			priority	high									
				medium									
				low									
	LEVEL 2 - PROBLEMS	Purpose	Needs	aesthetics					Quality				
				safety						Durability			
				privacy							Readability		
				ease of maintenance								Portability	
				cost									Resilience
			Context	Use	safety					Durability		Portability	
					privacy						Readability	Portability	
					noise reduction								Resilience
					aesthetics				Quality				
					path direction	channelizing					Readability		
						seperating					Readability		
						redirecting					Readability		
				Location	region	climate				Durability			Resilience
						district	downtown		Quality		Readability	Portability	Resilience
							campus		Quality		Readability	Portability	Resilience
					street				Quality	Durability	Readability	Portability	Resilience
					intersection				Quality	Durability	Readability	Portability	Resilience
					environment	walkways							
						construction sites							
						patios							
						establishments							
						roads							
					traffic	type	vehicle			Durability			Resilience
							pedestrian		Quality			Portability	Resilience
						frequency	low			Durability	Readability	Portability	Resilience
							medium			Durability	Readability	Portability	Resilience
							high			Durability	Readability	Portability	Resilience
				Time	seasons	weather							Resilience
						growth cycles							Resilience
		Concerns	Stakeholders	conflicts	property owner purpose	stakeholder 1 needs	stakeholder 2 needs	stakeholder 3 needs					
				agreements									
				compromise	priorities	priority 1	priority 2	priority 3					
					trade-off								
					alternative solutions				Quality				
			Transgression	type	vandalism	grafitti			Quality				
						stickers			Quality	Durability			Resilience
					neglect	breakage			Quality		Readability		
						litter			Quality				Resilience
						withering					Readability		
					misuse	seating					Readability	Portability	
						stolen					Readability		
					disregard								
				transgressor	weather								
					human								
					animal								
		Design	installation	cost					Quality	Durability			
			maintenance	worker	owner								
					company								
				upkeep	watering				Quality				Resilience
					pruning				Quality				Resilience
					cleaning				Quality		Readability		
					weeding				Quality				Resilience
					replanting				Quality				Resilience
				frequency	weekly				Quality				Resilience
					monthly				Quality				Resilience
					seasonaly				Quality				Resilience
			Planter Barrier	Part Type	spatial	Space	arrangement	multiples			Readability		
								configuration			Readability		
								density		Durability	Readability		
								spacing					
							placement				Readability		
							orientation				Readability		
					natural	Planter	plants	species	climate nativity				Resilience
									pollenation				Resilience
									growth rate				Resilience
								density			Readability		
								variety	Quality				
							soil	density		Durability			Resilience
								nutrition					Resilience
					infrastructural	Barrier	materials	plasitc	Quality	Durability		Portability	Resilience
								wood	Quality	Durability		Portability	Resilience
								cement	Quality	Durability		Portability	Resilience
								metal	Quality	Durability		Portability	Resilience
							size	small			Readability	Portability	
								medium			Readability	Portability	
								large			Readability	Portability	
							shape	angular		Durability			Resilience
								rounded		Durability			Resilience
							color		Quality		Readability		
							weight			Durability		Portability	Resilience
					temporal	Time	status	in use			Readability	Portability	
								out of use			Readability	Portability	
							frequency of use	weeks			Readability	Portability	
								days			Readability	Portability	
								hours			Readability	Portability	

Attribute Type	Priority Needs	Measurements	Factors	Range	Data Type
Quality	aesthetics	Cleanliness		clean, dirty	category
		Design	material, color, plant species	less complex, more complex	category
		Plant Health	soil, plant species, climate, weather	healthy, wilted	category
Durability	safety	Material Strength		weak, strong	category
Readability	privacy	Noticability	size, shape, color	noticable, unnoticable	category
		Social Visibility	design, material, color, plant species	invisible, highly visible	category
Portability	ease of maintenance	Weight	size, shape, material	0, n	float
Resilience	cost	Maintenance Frequency		daily, seasonally	category
		Maintenance Cost		$0.00, $n	float

PLANTER BARRIER / NARRATIVE

How can the design of planter barriers negotiate the different needs of different stakeholders within the same space?

What can a planter barrier be used for?

1. Safety
2. Privacy
3. Aesthetics
4. Noise Reduction

What makes it effective at its job?

1. Plant Selection
2. Density
3. Maintenance
4. Placement

What interactions do planter barriers have?

1. Pedestrians
2. Vehicles
3. Businesses

Who are the stakeholders involved in the implementation of planter barriers?

1. Government agencies
2. Property owners
3. Contractors and builders
4. Maintenance staff
5. Community members
6. Advocacy groups

What conflicts of interest can they have over the implementation of this object?

1. Aesthetics vs. Functionality
2. Space Allocation
3. Plant Selection
4. Cost
5. Environmental Impact

What incentives do stakeholders have in this negotiation process?

1. Safety
2. Aesthetics
3. Environmental Sustainability
4. Cost
5. Ease of Maintenance

CHAT GPT GENERATED

RESEARCH

SCHEMA DECOMPOSITION WORKSHOP

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schema brainstorm

tree pit



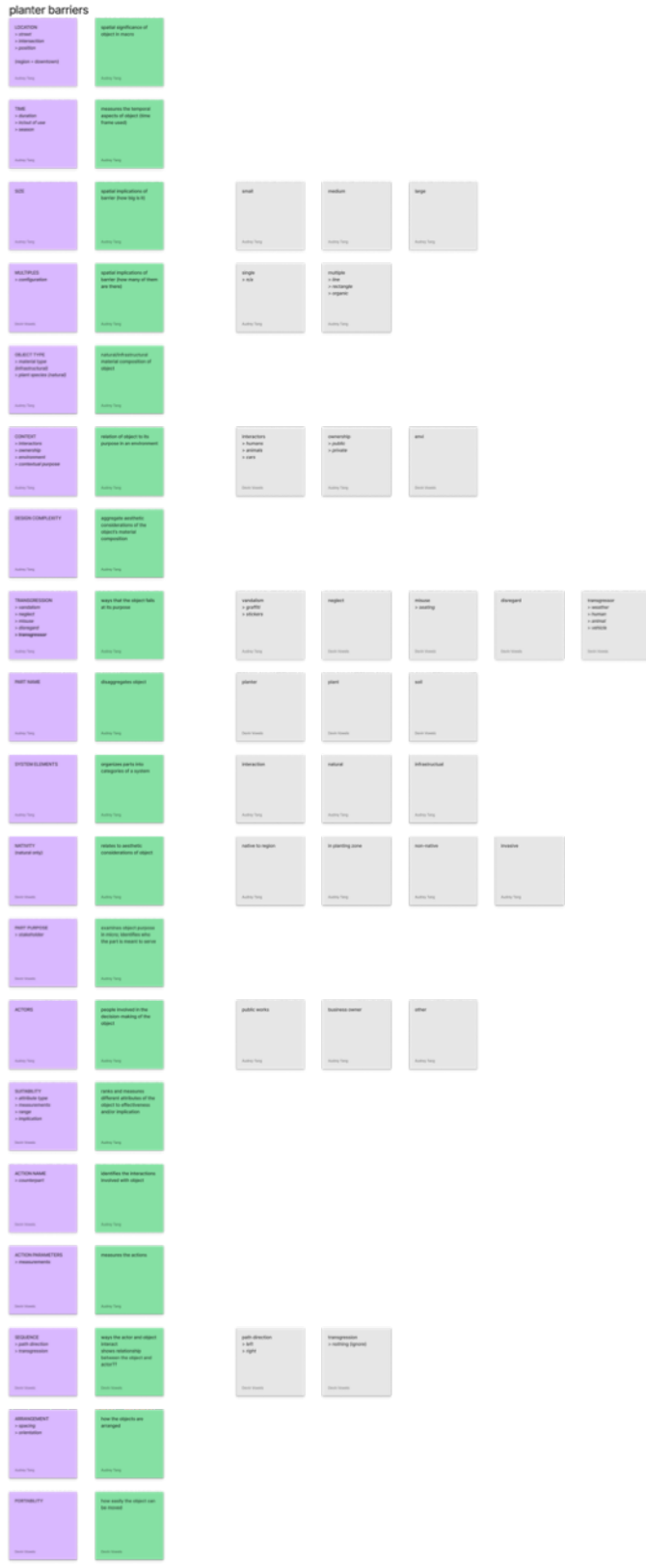
caution signifier devices



comparison



planter barriers



RESEARCH

OBJECT MODELING WORKSHOP

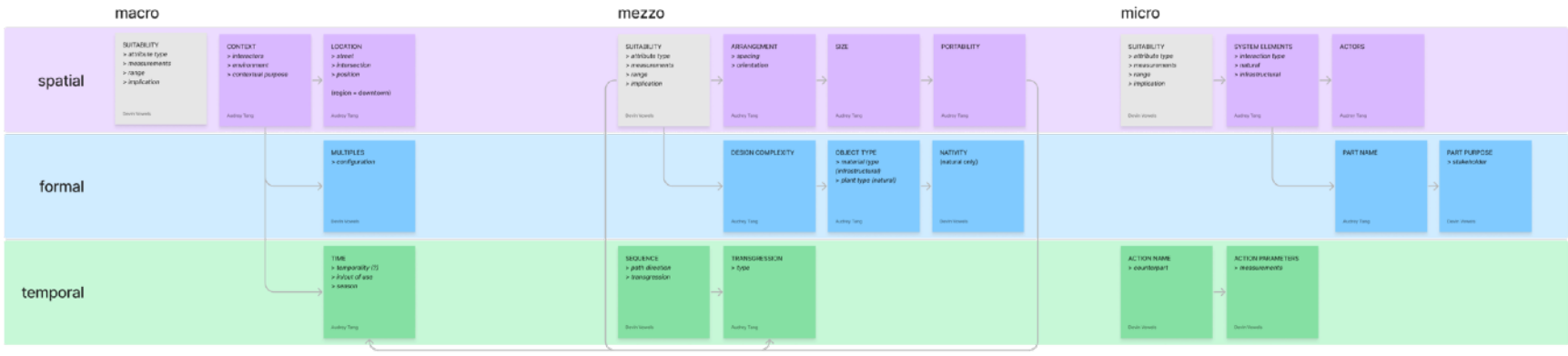
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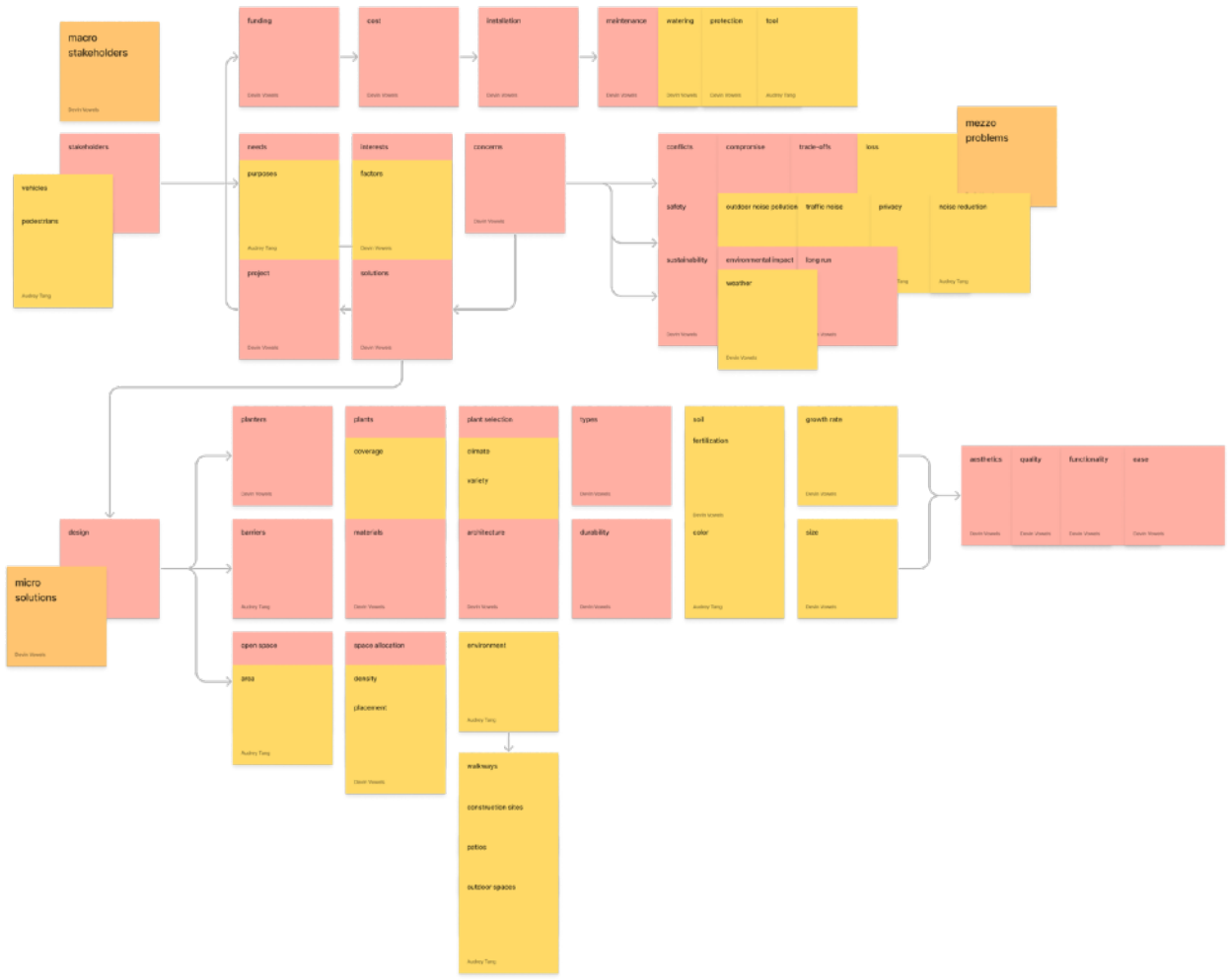
inquiry

How to enforce physical barriers?
How well do planter barriers enforce/suggest direction (secure space?)
How well do planter barriers control direction (secure space?)
The relationship between planter barriers and interactors?

How can planter barriers be optimized for different stakeholders and their needs?
How can the design of planter barriers negotiate the different needs from different stakeholders within the same space?

schema categorization





RESEARCH

OBJECT MODELING WORKSHOP

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