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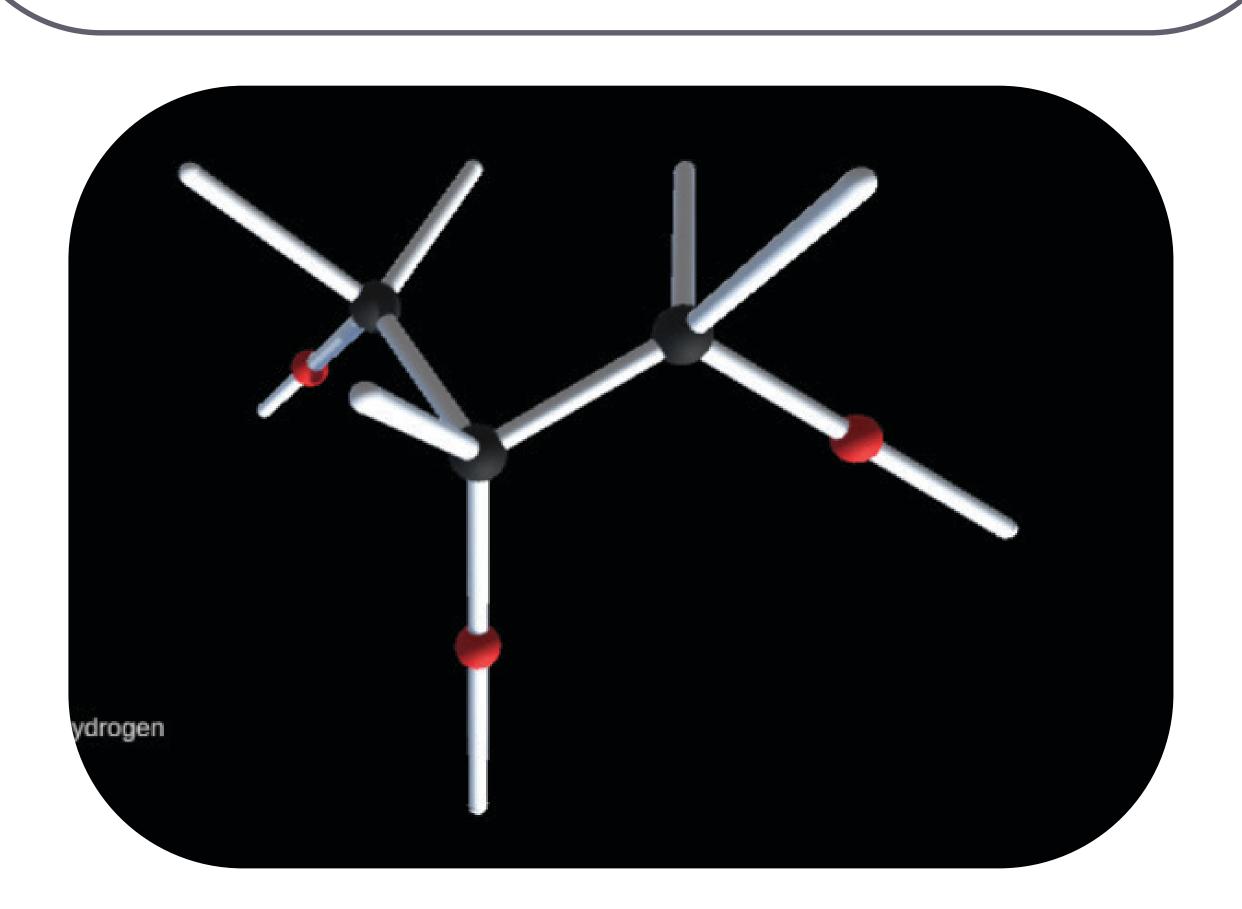
Goals for the Semester

- Refine the UI, presentation, and usability to improve the user experience
- Continue implementation of chemistry logic, including but not limited to subatomic particles
- Implement mini-games
- Build molecules from given molecular equations (Build a Molecule)
- Players may explore the boundaries of scientific possibility by breaking the laws of the universe (Turn off Physics)

Our Vision

Goals for the coming semesters

- Enhance the current chemistry logic to include a wider range of chemical bonds and intermolecular forces.
- Implement interactive experiences through 360° projection and VR compatibility
- More Mini-Games
- Create a quiz: Quiz the user on knowledge about atomic structures
- Create a reaction: Given two different product molecules, create the reactant molecule
- Catch an electron: Catch an electron and make the most stable Lewis structure



About Us

Fullerene aims to create a 3D environment where users can build and explore their own molecules and experiment with their molecular and atomic geometry in an accurate and detailed simulation.

Stack



1 H																	2 He
3 Li	4 Be											5 B	6 C	7 N	8	9 F	10 Ne
11 Na	12 Mg	Selected Element: 6-Carbon											14 Si	15 P	16 S	17 Cl	18 Ar
19 K	20 Ca	21 Sc	22 Ti	23 V	24 Cr	25 Mn	26 Fe	27 Co	28 Ni	29 Cu	30 Zn	31 Ga	32 Ge	33 As	34 Se	35 Br	36 Kr
37 Rb	38 Sr	39 Y	40 Zr	41 Nb	42 Mo	43 Tc	44 Ru	45 Rh	46 Pd	47 Ag	48 Cd	49 In	50 Sn	51 Sb	52 Te	53 	54 Xe
55 Cs	56 Ba		72 Hf	73 Ta	74 W	75 Re	76 Os	77 Ir	78 Pt	79 Au	80 Hg	81 TI	82 Pb	83 Bi	84 Po	85 At	86 Rn
87 Fr	88 Ra		104 Rf	105 Db	106 Sg	107 Bh	108 Hs	109 Mt	110 Ds	111 Rg	112 Cn	113 Uut	114 Fl	115 Uup	116 Lv	117 Uus	118 Uuo
		57 La	58 Ce	59 Pr	60 Nd	61 Pm	62 Sm	63 Eu	64 Gd	65 Tb	66 Dy	67 Ho	68 Er	69 Tm	70 Yb	71 Lu	
		89 Ac	90 Th	91 Pa	92 U	93 Np	94 Pu	95 Am	96 Cm	97 Bk	98 Cf	99 Es	100 Fm	101 Md	102 No	103 Lr	

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Accomplishments

- Fixed bugs from the previous semester and cleaned up the UI
- Reworked internal system to be more practical and efficient
- Implemented mode for turning off physics
- Implemented toggle for a simplified view of the molecule
- Created the logic and scene for "Build a Molecule"

Conclusion

- Finished and polished the base framework for building molecules
- Future semester development will primarily focus on improving subatomic particle logic, saved configurations, and supporting multiple molecule creation

