



## Other F. Kelly, 2024 (25E416, Section 3) Reading HR 7740 – Fair Representation Act www.congress.gov/bill/118th-congress/house-bill/7740?overview=closed Focus on Title I and Title II MGGG Web site https://mggg.org Start to become familiar with GerryChain and maup

Project Teams	CSE416 - Section 3 Project Teams		
• Teams – some teams not	The table below contains	the names of the members of each of the CSE416-Section 3 tear	
yet med	Team	Team members	
You can send me a	Bengals	Sinae Hong, Hyunjun Cho, Yeonkyung Ha, and Hyo Jong Chung	
request for a 2-person or	Bills	Ryangjin Lee, Changhyun Park, Minjun Kim, and Younghwan Cha	
	Broncos	Ethan Chan, Jia Hao Lin, Jason Lau, and Andy Lin	
3-person team	Browns	Ethan Yen, Kevin Chen, Sicheng Liu, and Qirong Wu	
- · · · · · ·	Colts	Niyazi Kyose, Alan Li, Benny Zheng, and Henry Wang	
Everyone assigned later	Dolphins	Joseph Brimlow and Santiago Ortiz Betancourt	
today	Eagles	Ivan Lin, Alec Hsu, Young Jun Kang, and Seonggyu An	
louay	Giants	Hojun Kwak and Hanseung Choi	
If we connot fill out your	Liona		
I we cannot ill out your	Patriots		
team 2-person and 3-	Raiders		
	Ravens		
person teams will have	Steelers		
lower use case targets	Vikings		
iower use case largels			









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Project Technical Goals		
<ul> <li>Build a large, complex system th multiple components</li> </ul>	at requires teamwor	k to integrate
<ul> <li>Use multiple programming styles</li> <li>Python, and Java)</li> </ul>	and languages (Ja	vaScript,
<ul> <li>Incorporate</li> <li>Data base design and development</li> <li>User interface design</li> <li>Requirements analysis (application)</li> </ul>	domain knowledge)	
<ul> <li>Integrate algorithmic analysis an system design and development</li> </ul>	d mathematical thin	king into the
<ul> <li>Use Data Analysis techniques in</li> </ul>	performing analysis	









































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FRA Project Components						
<ul> <li>Requires ranked choice voting for</li> </ul>	RANKED CHO		TING	SAMPI	E BAI	LOT.
<ul> <li>Ballot includes all qualified</li> </ul>		TST CHOICE			<b>4<sup>TH</sup></b>	
<ul> <li>candidates</li> <li>States may limit the candidates to not fewer than 6</li> <li>Multiple rounds of tabulation until only a defined number of candidates remain</li> </ul>	CANDIDATE 1	0	0	0	۲	0
	CANDIDATE <b>2</b>	0	0	0	0	-
	CANDIDATE 3	-	0	0	0	0
	CANDIDATE 4	0	0	-	0	0
	CANDIDATE 5	0	-	0	0	0
	WRITE-IN OPTION	0	0	0	0	0
Image: News1NY						

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FRA Project Compo	onents	
<ul> <li>States with 5 or fewer repres</li> <li>1 Multi-Member District (MMI</li> </ul>	entatives shall be consi ጋ)	dered to have
<ul> <li>States with 6 or more represe</li> <li>MMDs</li> </ul>	entatives will be compos	sed of multiple
<ul> <li>A state district plan will be comp</li> </ul>	osed of multiple MMDs	
Each MMD shall have between	3 and 5 representatives	
<ul> <li>MMDs shall have equal populat</li> </ul>	ion per representative	
<ul> <li>All district plan requirements place</li> </ul>	independent of the FRA	A remain in









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State Selection	* State Allo	CSE4 cation fo	16 r Project Teams
<ul> <li>Your system will run for 2-3 states of your choosing with at least one state with</li> <li>More than 5 congressional districts</li> <li>Between 2 and 5 congressional districts</li> <li>A minority population greater than 20%</li> <li>Maximum of 2 teams per state</li> <li>You can change any state during the semester if it is available</li> <li>Send me an e-mail with your team's choices. Be sure to include alternate selections in case your first choice is already filled</li> </ul>	State-Team Assignation of your states the should select 3 state. • One of your states the have between 2 and 3 minority with a population of your states the have between 2 and 3 minority with a population of the states of the	gnments ains the states whose states, but a maximu ouid have more than compressional distri lation percentage gre Team 1	data will be used by each team. Each no f2 teams will be permitted for any 5 congressional districts, one should atter than 20%.

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Sources of Data		
Project Web site suggests ma	any sources of data	
<ul> <li>The most accurate data source</li> </ul>	ce could be	
<ul> <li>Redistricting Data Hub</li> </ul>		
<ul> <li>US Census Bureau</li> </ul>		
<ul> <li>State Election Office</li> </ul>		
<ul> <li>US Government repository of reg</li> </ul>	gion borders	
<ul> <li>Easier sources of data (include)</li> </ul>	ding some consolidation	) are available
<ul> <li>Sometimes difficult to locate t</li> </ul>	he best source of data	



