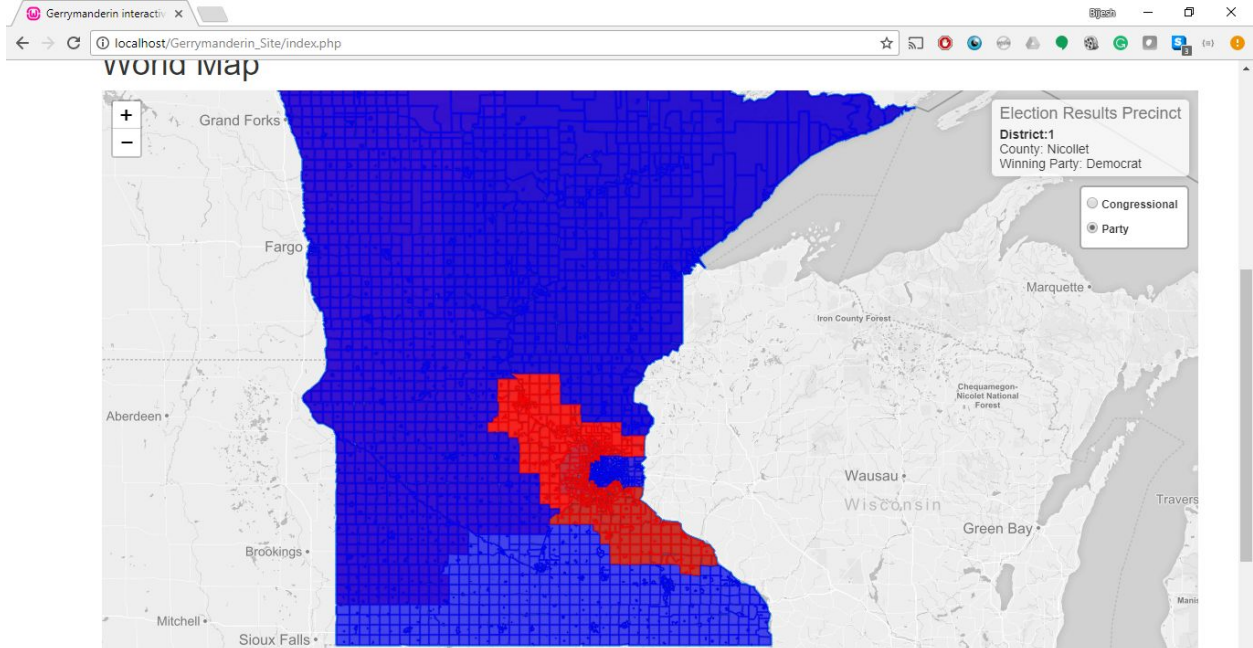
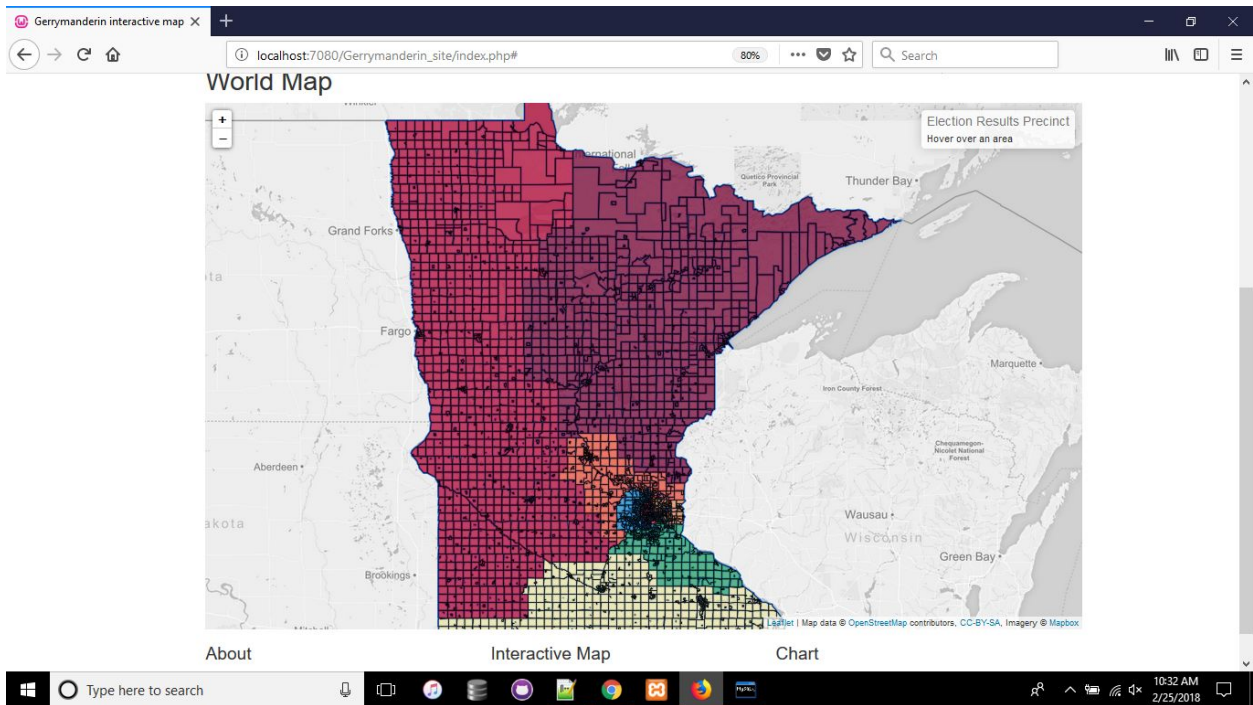


Design Document

- <http://leafletjs.com/examples/choropleth/>
- <https://www.gis.leg.mn/iMaps/elections/2016/all/index.html>



- Modify GeoJson with Java
 - Classes
 - Main
 - Runs the program

- Parser
 - Reads the geojson into each line in ArrayList
 - Writer
 - This writes the either Republican or Democrat into the geojson code
- Create Boundaries with Java
 - Classes
 - Main
 - Runs the program
 - Read and Write
 - Reads the GeoJson code
 - Writes new GeoJson code File
 - LongLat Holder
 - Holds longitude, latitude, Congressional district ID, County ID, Senate ID, legislative district
 - Line
 - Holds 2 points each point is data type LongLat Holder
 - Boundary Creator
 - This class runs a loop on all the lines. Example, if looking for congressional district lines, it adds into a ArrayList the line only if the points are the same but the congressional districts are different.
- DataBase

Results	
PK	vtdid
FK1	pctName
	pctCode
FK1	mcdName
FK1	countyName
FK1	countyCode
FK1	congDist
FK1	mnSendDist
FK1	mnLegDist
FK1	ctyComDist
FK1	juddist
	swcDist
	ward
FK1	hopDist
	parkDist
	tabSystem
	tabModel
	mailBallot
	reg7Am
	edr
	signatures
	ab_mib
	fedOnlyAb
	presonlyab
	totVoting
	uspsr
	uspsrdfi
	uspsrscp
	uspsrlmn
	uspsrwwp
	uspsrsgp
	uspsradp
	uspsrip
	uspsrib
	uspsrwi
	uspsrtotal
	usrepr
	usreprdfi
	usreprwi
	uspsrtotal
	mnsenr
	mnsendfi
	mnsenwi
	mnsenttotal
	mnlegr
	mnlegdfi
	mnlgwi
	mnlegttotal
	mnca1yes
	mnca1no
	mnca1est
	mnca1total

Counties	
PK	orgcFid
FK1	CountyID
	CountyName
	fips

District	
PK	DistrictName

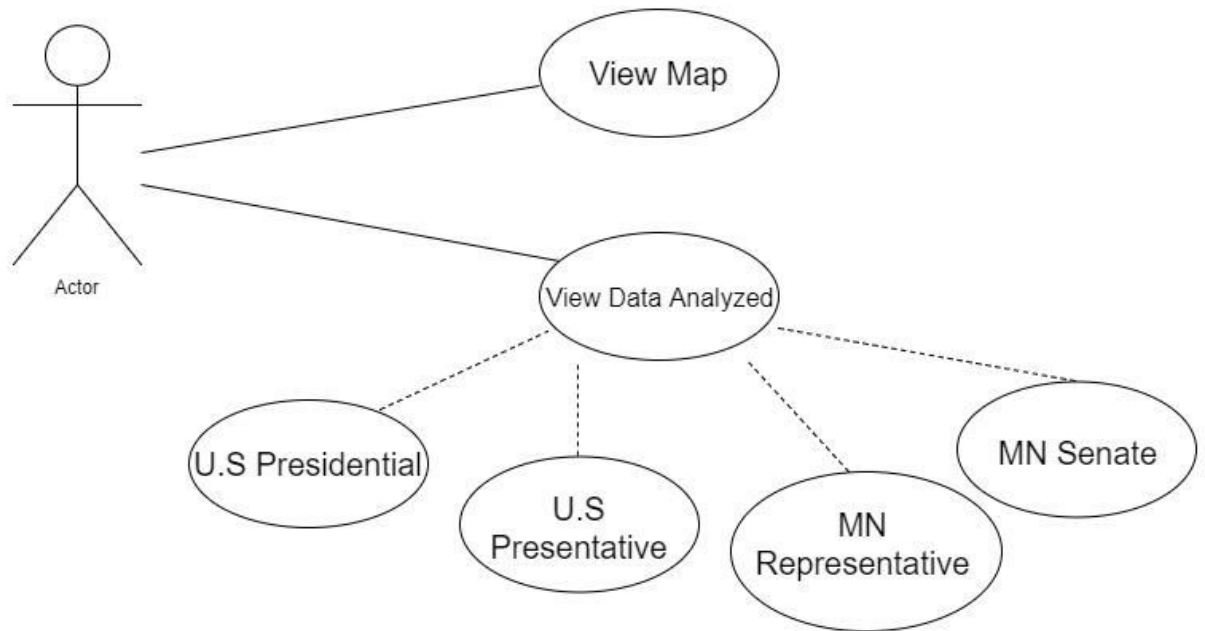
Fields	
PK	FieldName
FK1	Definition

notes	
This database just hold some notes	

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- Javascript Functions:
 - Function: Map
 - Function: prop
 - Updates the map information from the geoJson file
 - getColor
 - Colors the map according to the presidential district
 - Style
 - Styles the map divisions
 - HighlightFeature
 - Highlights a map area when cursor is pointed
 - resetHighLight
 - Resets style updates the layer information
 - zoomToFeature
 - Zooms into the area when clicked in that area

- onEachFeature
 - Controls the mouserhover, house click and zoom functions
- secondLayerFeature
- mouseoverSecondLayer
 - Works as same function but for the second layer

Use Case Diagram



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