info and general requirements/instructions for the 'votersrevenge-frontend' open source project

INTRO

github repo: **https://github.com/sldev2/votersrevenge-frontend**

this starting repo was made mostly by using vue ui. It has the following libraries, and the delivered project (ultimately to be delivered in a branch called 'develop' on this repo) should use the same ones (you can check with me if there's a need to use different versions)

```
 "dependencies": {
   "@vue/composition-api": "^1.1.1",
   "postcss": "^7",
   "tailwindcss": "npm:@tailwindcss/postcss7-compat@^2.0.2",
   "vue": "^2.6.11",
   "vue-router": "^3.2.0",
   "vuex": "^3.4.0"
 },
 "devDependencies": {
   "@storybook/vue": "6.0.26",
   "@types/jest": "^24.0.19",
   "@vue/test-utils": "^1.2.2",
   "eslint": "^6.7.2",
   "typescript": "~4.1.5",
   "vue-cli-plugin-storybook": "^2.1.0",
   "vue-cli-plugin-tailwind": "^2.0.6",
```

pnpm was used to install libraries. please continue using pnpm to install new libraries needed (not npm or yarn)

the results of this open source project will be used in another open source project called "votersrevenge", @ github.com/sldev2/votersrevenge. See votersrevenge.info for more information on the Voter's Revenge project.

 A *posse* **is groups of citizens**; in the US wild west, posses used to hunt down criminals; the votersrevenge app, for which this project is being developed, has the purpose of empowering citizens to "fire" elected politicians who are corrupt, ineffective, etc. In the US, it is in general not possible for citizens to remove elected officials (though it should be…). Consequently, by "firing" a politician, I mean ensuring that the politician doesn't get re-elected. (In the case of the wrangler role, the idea is to exert pressure on elected officials by shaming the them, while educating fellow citizens about their misdeeds. This will indirectly damage their re-election prospects.)

A *local posse* **is a subset of a posse**. There will typically be many local posses for each posse (eventually). If a user of the system joins a local posse, directly, he/she is automatically made a member of the parent posse. However, joining a posse doesn't require joining a local posse. Local posse members will typically live near each other, while posse members, in general, will only live in the same state (potentially far from each other)

Every posse and local_posse is directed against 1 politician, the *target*, and has 1 specific *issue* they are focused on.

It is hoped that citizens across the world will find votersrevenge useful, including when dealing with parliamentary democracies, which the US is not.

The crux of the votersrevenge-frontend project is to allow visitors to to the votersrevenge website to
1) **become active members of posses (and child *local posses*) via a registration process that requires them to**
   a. **agree to at least one pledge - either a *voteslinger* or *wrangler* type of pledge**

b. specify their (nearby, approximate) location with the help of a map and geolocation api
c. make additional pledges, as time goes on, possibly including a *shindig* (i.e., event) type of pledge
2) become follower type of member, which requires no pledge
3) scroll through collections of posses, before and after filtering these collections
   a. there will always be a filter applied by (US) state, though it will be ignored when dealing with targets who are President, or else candidates for President
4) scroll through a collections of all local posses belonging to the same parent posse
5) identify members who live nearby, by their user-names, for future contact through a messaging program (the messaging program is not in the scope of this project; it is to be housed at github.com/sldev2/votersrevenge-messaging)

INFORMATION

roles and registration

super_sheriff	registered
sheriff	registered
deputy	registered
voteslinger	registered
wrangler	registered
follower	registered
visitor	not registered

registered user can have different roles in different posses and any of their local posses, though a super_sheriff is a super_sheriff in all posses and all local posses

users can only browse through posses on the home page, not any of their local posses. a simple count of associated local posses is shown on the home page, as part of a link to a local posse page, which shows only local posses belonging to the parent posse displayed on the home page

users can only browse through local posses on pages other than the home page; such local posses will all belong to the same parent posse

please refer to the SPROJ FE-DB.pdf file for more information about specific field ==TODO== update this with schema delivery

REQUIREMENTS

☐• instructions on how to install and run whatever bits are delivered (feel free to ask if I already know how do something)
☐• the front end must access the database only through a GraphQL api, generated by the Hasura GraphQL engine, with MS SQL Server in the back end

☐• provide an Oauth service for a related app (which is the voter's revenge chat app)
   ○ IOW, registered users in this website will be able to use the votersrevenge-messaging website with this website's login credentials
☐• provide 'idiot instructions' on how to use these credentials at votersrevenge-messaging

==MILESTONE #3==

☐• BUSINESS RULES

- ☐ display an error message in the GUI, indicating the nature of the problem, when this occurs
- ☐ a new wrangler pledges' fulfillment_date must be within WRANGLER_FULFILLMENT_DATE_LIMIT months of the redline_date
  - ☐ set WRANGLER_FULFILLMENT_DATE_LIMIT = 2 in an environmental file
- ☐ a new shindig pledges' fullfillment_date must be within the SHINDIG_FULFILLMENT_DATE_LIMIT months (starting TODAY)
  - ☐ set SHINDIG_FULFILLMENT_DATE_LIMIT = 3 in an environmental file

- ☐ in gui, separate out primary from general voteslinger pledges
  - e.g., in the legacy application, wrangler pledges were in a different list grouping than voteslinger pledges, as in:

Pledges (must be executed if redline violation occurs)

It is assumed that all Voteslinger and Wrangler members of a posse will naturally exploit their social networks to spread the word about this posse. If you don't want to join as a Voteslinger or Wrangler, at this time, you can take a relatively easy pledge to network via social media, and thus join as a Follower.

Voteslinger Pledges

☐ Vote against Donald Trump in the next general election.

Wrangler Pledges

NOTE: When school is in session, flyering school children, from public streets next to school grounds, is our **recommended** wrangler pledge!
(Please check with your local police department, first, for any restrictions.)

☐ Pass out, or arrange to have passed out, 500 flyers to school children, from a public street next to a public or private school in SD, informing potential voters about the The Trans-Pacific Partnership, TPP, and Donald Trump's crossing of the redline.

☐ Pass out, or arrange to have passed out, 500 flyers to school children, next to a public school in SD, informing potential voters about the The Trans-Pacific Partnership, TPP, and Donald Trump's crossing of the redline.

☐ Take out a half page ad in a SD university newspaper, informing potential voters about the The Trans-Pacific Partnership, TPP, and Donald Trump's crossing of the redline.

☐ Take out a 1/8 page ad in a regular newspaper sold in SD, informing potential voters about the The Trans-Pacific Partnership, TPP, and Donald Trump's crossing of the redline.

☐ Run a $50+ Google AdWords campaign, preferably targeting people in SD, informing about the The Trans-Pacific Partnership, TPP, and Donald Trump's crossing of the redline.

Personal Pledges (optional)

NOTE:You must check the checkbox, as well as enter text, for personal pledges

☐ enter your 1st pledge, here [_____]

☐ enter your 2nd pledge, here [_____]

Would you like to

☐ work on pledges with local members of this posse?

☐ socialize with local members of this posse?

Reason for joining (optional)

[_____]

Join 🅵   **Cancel**

in this application, there should similarly be a separation by voteslinger category, viz.,:
- "Voteslinger pledges - primary or caucus"
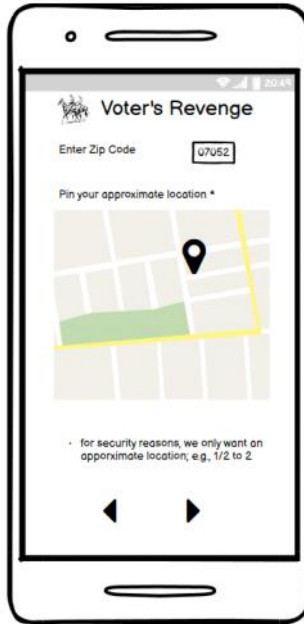 - and
- "Voteslinger pledges - general election"

- ☐ gui business rule for wrangler pledges: must be within 2 months of the redline_date

done	action	role or roles	specs (happy path, mostly)
		visitors	
☐	visits **home page**		SYSTEM tries to use geolocation API, and figure out which US state that belongs to, and then **filters** the posses by that state. If the SYSTEM can't determine the US state that the user is in, or if there is any error attempting to do so, or else the location is not located in the US, then SYSTEM **selects** the 1st state, in alphabetical order

				that is found in the database, from the GUI (viz., the state filter dropdown) and **filters** the posses accordingly
☐	follows a posse (thus becoming a follower)	visitor -> follower		SYSTEM displays **home page**, which is displaying information from a specific posse

visitor clicks "Follow this Posse"

SYSTEM checks if user is logged in; since not logged in, redirects to **login/sign up** page (or popup)

visitor logs in (implying he had previously registered)
OR
user clicks link to **sign up** page

SYSTEM displays **sign up** page(s)

sign up page 1

visitor enters this information:

username	req	string
password	req	encrypted string
email // private to system	req	emal string
public email // for networking	opt	email string

sign up page 2
registration form should do geolocation with a map, in order to obtain latitude and longitude
1) first, SYSTEM asks for zip code which is used to center the map more precisely
2) if user does not provide it, SYSTEM informs them that that is fine, but only users who provide **approximate** location can join local posses (for security reasons, it's not desirable to provide an exact location) User is invited to be use a map on a pin to determine a more exact location, but to not place the pin exactly. E.g., in a typical suburb, place the pin within 1/4 to 2 miltes of your actual location

visitor registers

zipcode	opt	string - 5 chars
lat // latitude	opt	number
lng // longitude	opt	number

SYSTEM sends visitor an email verification

visitor verifies email

SYSTEM completes registrations of visitor, with follower role in the posse they applied, through

follower (previous visitor) logs in, for the first time

SYSTEM displays logged in status

SYSTEM displays a welcome message

SYSTEM displays information:
"As a follower of {THIS POSSE}, you can view messages in the 'public announcements' channel"
(hyperlink to the **message board**)

"In order to participate in the other message board channels of this posse, you will have to take an "action, action, action" pledge, and become either a wrangler or a voteslinger"

"More information: what is the difference between a wrangler and a voteslinger" (hyperlink to **wrangler vs votesinger page**)

☐	joins a posse as either a voteslinger or wrangler	visitor -> voteslinger / wrangler	SYSTEM displays **home page**, which is displaying information from a specific posse visitor clicks "Join this Posse" SYSTEM checks if user is logged in; since not logged in, redirects to **login/sign up** page (or popup)

SYSTEM displays **home page**, which is displaying information from a specific posse

visitor clicks "Join this Posse"

SYSTEM checks if user is logged in; since not logged in, redirects to **login/sign up** page (or popup)

visitor logs in (implying he had previously registered)
OR

user clicks link to **sign up** page

SYSTEM displays **sign up** page(s)
  sign up page 1

username	req	string
password	req	encrypted string
email // private to system	req	emal string
public email // for networking	opt	email string

  sign up page 2

SYSTEM diplays a map, plus input box for zipcode

  registration form should do geolocation with a map, in order to obtain latitude and longitude
  1) first, SYSTEM asks for zip code which is used to center the map more precisely
  2) if user does not provide it, SYSTEM informs them that that is fine, but only users who provide **approximate** location can join local posses (for security reasons, it's not desirable to provide an exact location) User is invited to be use a map on a pin to determine a more exact location, but to not place the pin exactly. E.g., in a typical suburb, place the pin within 1/4 to 2 miltes of your actual location

SYSTEM displays input box for zipcode, but additionally acquires lat and lng

Voter's Revenge

Enter Zip Code `07052`

Pin your approximate location *

· for security reasons, we only want an approximate location; e.g., 1/2 to 2

zipcode	opt	string - 5 chars
lat // latitude	opt	number
lng // longitude	opt	number

pledge page (sign up page 3)

see PLEDGE PAGE, below TODO

SYSTEM sends visitor an email verification

visitor verifies email

SYSTEM completes registrations of visitor, with follower role in the posse/local posse they applied

follower (previous visitor) logs in, for the first time

SYSTEM displays logged in status

SYSTEM displays a welcome message

SYSTEM displays information:
"As a riding member of {THIS POSSE}, i.e., as a wrangler and/or voteslinger, you can view messages in all of the all of the channel" (hyperlink to the **message board**)
"Additionaly, wranglers can participate in the wrangler message board channel of this posse; and voteslingers can participate in the voteslingerr message board channel of this posse.

"More information: what is the difference between a wrangler and a voteslinger" (hyperlink to **wrangler vs votesinger page**)

		followers +	i.e., every user role that has a login: follower, wranglers, voteslingers, deputies, sheriffs

☐	active user follows a new posse (meaning: a posse that user is not already a member of)	member (in 1 or more posse's)
		
		-> member in new posse
			SYSTEM displays a "follow this posse" button when
			  a) the user is logged in
			  b) the user is not already participating in the posse, in any role
			
			user clicks a "follow this posse" button
			
			SYSTEM updates database with this new information
			
			SYSTEM displays a friendly message "Howdy, pardner! you are now following the posse {NAME OF POSEE}. Please check out local chapters of this posse."
			
			  • local chapters links to the **Local Posses page** (for this local posse)

☐	active user follows a new local posse of a posse the user already belongs to	member (of a posse)
		
		-> new follower of local posse of that posse
			SYSTEM displays a "follow this local posse" button when
			  a) the user is logged in
			  b) the user is not already participating in this particular local posse, in any role
			
			user clicks a "follow this local posse" button
			
			SYTEM displays a friendly message "Howdy, pardner! you are now following the local posse {NAME OF LOCAL POSSE}. Please check out local chapters of this posse."
			  local chapters links to the **Local Posse page** (for this local posse)

		<mark>active members: voteslingers and/or wranglers</mark>	
		visitor joins a posse	visitor clicks "Join this Posse" SYSTEM checks if user is logged in; if not logged in, redirects to login page (or popup) user logs in SYSTEM redirects to "Join this Posse" page SYSTEM displays PLEDGE COMMITMENT FORM SYSTEM displays a form user enters:

username	req	string
password	req	encrypted string
email // private to system	req	emal string
public email // for networking	opt	email string
lat // latitude	req	number
lng // longitude	req	number

SYSTEM displays "Congratulations, pardner! Before you can become a member, though, we need you make your first pledge. Remember, "Action, action, action!" Just talking doesn't catch any varmints!

SYSTEM displays list of all redline/deadline actions, with voteslinger and wrangler actions grouped separately

			NOTE: Sql Server has a spatial type (data type), but I don't know how available such things are in other databases
		follower joins a posse	
		LOCAL ADMIN / sheriff	
		messaging	SHARE - Slack Clone Reqs
		create a posse ("super posse")	
		super_sheriff	select :
			target
			issue
			EITHER:
			initial wrangler redline date and demand
			+
			initial wrangler deadline date
			OR:
			initial voteslinger redline date and demand
			+
			initial voteslinger deadline date
		creating a local posse	
	create a posse	sheriff (owner)	select :
			posse
			target
			issue
			(opt.) edition name
			(opt.) edition location (lat / lon)
			EITHER:
			initial wrangler redline date and demand
			initial wrangler deadline date
			OR:
			initial voteslinger redline date and demand
			initial
	deputize a posse follower	sheriff	sheriff adds an active posse member to the list of deputies SYSTEM show updated list of posse deputies

		ADMIN/ super_user ("super_sheriff")	
		CRU a target (GUI)	ADMIN
		Delete a target (stored proc only)	ADMIN
		CRU a an issue	ADMIN
		Delte an issue (stored proc only)	ADMIN
		CRU a redline/deadline template item	ADMIN
		CRU a posse redline/deadline template item	ADMIN
		CRU a local posse redline/deadline	ADMIN

		local edition posse ("buddy posse") messaging vs. various user roles	3 channels: public announcements / announcements / buddy / follower
			6 user chat roles (ordered by increasing privilege level):
			    visitor (not logged in)
			    follower
			    buddy (voteslinger + wrangler) // "posse members"
			    deputy // "posse members"
			    sheriff // "posse members"
			    super_sheriff // "posse members"

	view public message	visitors + ('+' means: "and up")	view all messages in the "public announcements" channel
	view non-public messages	follower +	view all messages in the "announcements", "buddy", and "follower" channels

	participate in non-pubic message	posse members	in the in the "announcements", "buddy", and "follower" channels:
			    initiate message
			    reply message

	non-public message limits	posse members: 4 messages per channel per day
		deputy+ : no limit
			// friendly "you have reached your daily quota for message; remember "action, action, action" " when user tries to exceed that quota
			// friendly "{user} tried to send you another message, today, but had already exceeded their quota"
			// show quota status with "X of 4 max messages, today; remember "action, action, action" "

	private messaging	posse members: 4 messages per 1-on-1 chat,	throttled; throttle details TODO must send 'buddy request' (like a friend request in facebook) first (and be accepted) can only send 1 'buddy request' to another user in the same posse every 6 months

		per day	// friendly "you have reached your daily quota for message; remember "action, action, action" " when user tries to exceed that quota
			// friendly "{user} tried to send you another message, today, but had already exceeded their quota"
			// show quota status with "X of 4 max private messages with { user } , today; remember "action, action, action" "