**Motion Billboard:**   
  
When a user opens the app we would like to see a billboard that shows our Branch Hours of operation based on geographic location. An example of this sign is attached at the end of this document.

Detail Requirements:

* We need a drop down that is pre-selected with the client’s current country of origin  
  We only support 3 countries, Canada, Mexico , and USA
* We need a dropdown that will be pre-selected with client’s current state or province.   
  **BONUS POINTS:** Allow the user to \* only one as a favorite. That way every time they reload the app, the favorite will always be pre-loaded.
* We need a list of branches that is populated from the selected state in the dropdown.   
  By default the first will be selected.   
  **BONUS POINTS:** select the location that is closest relative to your current location.
* Data for Branch Model will need to come from 4 files contained within:

cnProvinces: This is a list of all the provinces within Canada.   
mxStates: This is a list of all Mexico states in Mexico  
usStates: This is a list of all US States.  
locations: This is a list of all our locations with all the detail needed for UI.

* If request comes from unknown origin, please display a friendly message inside the screen rather than just empty box that looks broken.
* User can change the dropdown and billboard should update with new branch information.   
  **BONUS POINTS:** When user changes location, make some sort of pretty animation.
* A sign will be displayed below the billboard to indicate if the branch is currently open or not.   
  Note, hours returned on service are in the time zone of the location of the branch.   
  IE: Branch in California will show PST time. If I open California Branch from Alabama, if branch closes at 5PM California time and its 5:30PM in Alabama , it should still be open.
* Have fun!

**If you finish the solution with lots of time left:**

* Think of new interesting design patterns you would use? Be sure to frequent commits so we can review changes.
* Consider the bonus options above.
* Did you write a quick and dirty solution? Now abstract it a bit more and make it elegant and reusable.
* Do you have test coverage? Use Jest and write some tests to improve the quality.

**Rules of the game:**

1. You can use either NextJS or Straight React. ( Though bonus points for NextJS )
2. You can use either SAAS or straight CSS.
3. Should you have better colors or styles, you may pick colors, styles, and modify designs without penalty.
4. Be sure to commit all changes back to Git Repository. Emailing source code or any other use will automatically disqualify you from candidacy.
5. Should you decide the challenge cannot be completed without the use of other web services, you are allowed to consume any external service you choose in addition to the static files provided for this.
6. There is a 2 hour cut off for your first commit. You are welcome to continue afterwards.

Graphical user interface

Description automatically generated

Hope you have fun!