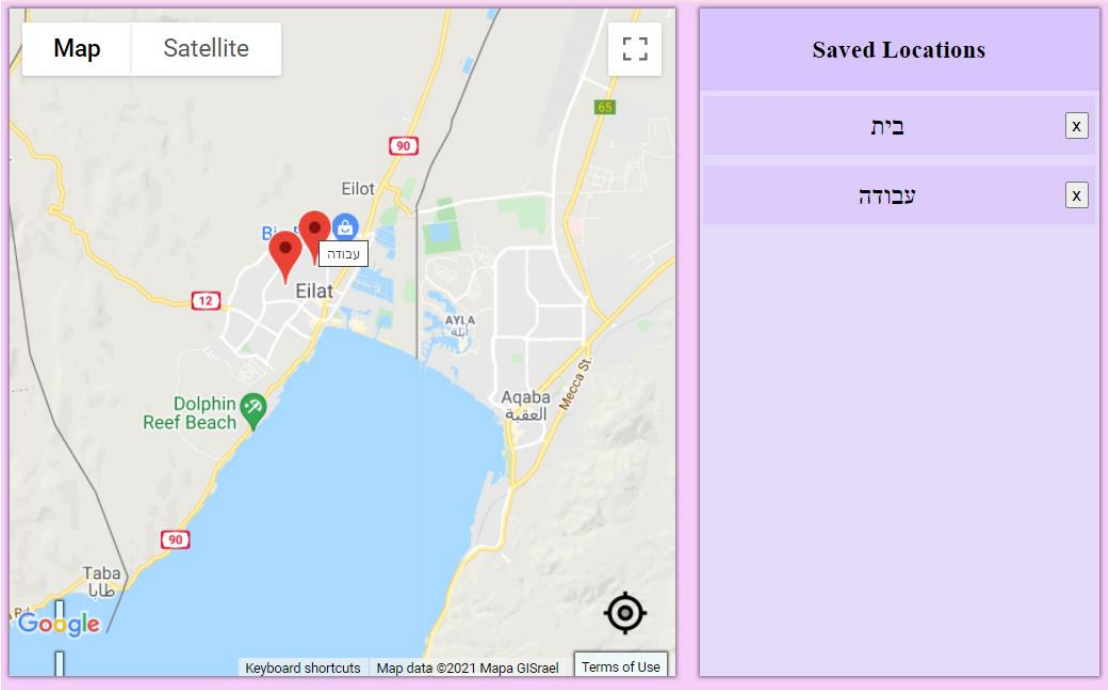
# ES6 & HTML5

Project name: place-keeper




## General

Remember to use the <section, nav, main, aside, header,footer> semantic elements

Use ES6 throughout your code.

Use the MVC pattern to shape your app, you should have the following services:

- *utilService*
- *storageService*
- *userService*
- *placeService*

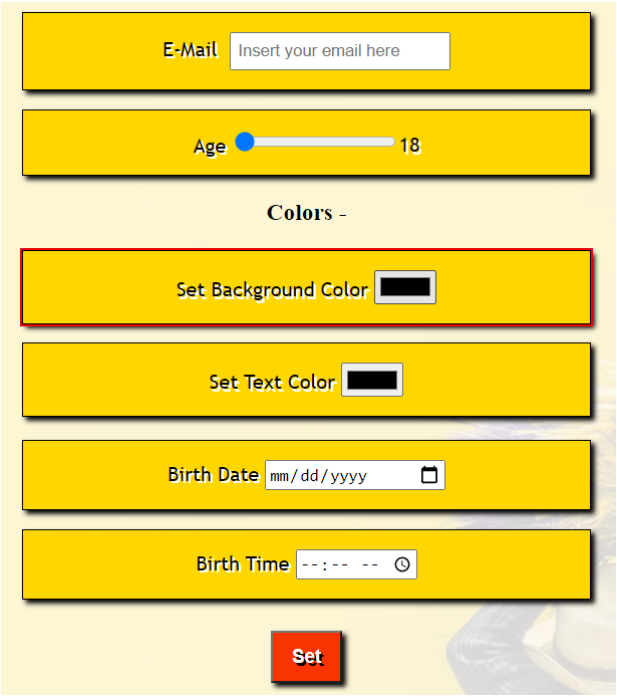
Build a webapp with 3 pages:

## index.html

This is a simple home page with some graphics and a welcome message, something like: *Find your way back to your best places*

Add navigation links to the other (two) pages

## user-settings.html




Here we will use a <form> to get the user settings and save them to localStorage.

The application should use the colors provided by the user and show the pages accordingly.

### Step 1 - Colors

Use HTML5 color <input> to let the user set its background and text color of the pages.
TIP: use: *userService.save(userData)*

### Step 2 – Date and Time

Use HTML5 *date* and *time* <input>s to let the user set his exact birth time, In the hompage render how many hours to his next (accurate) birthday

### Step 3 – Wrap in a form

Put those inputs in a <form>, and when submit, use a service to keep them in a localstorage object: userData

TIP: you will need event.preventDefault in the onsubmit event handler.

### Step 4 – Add some more inputs

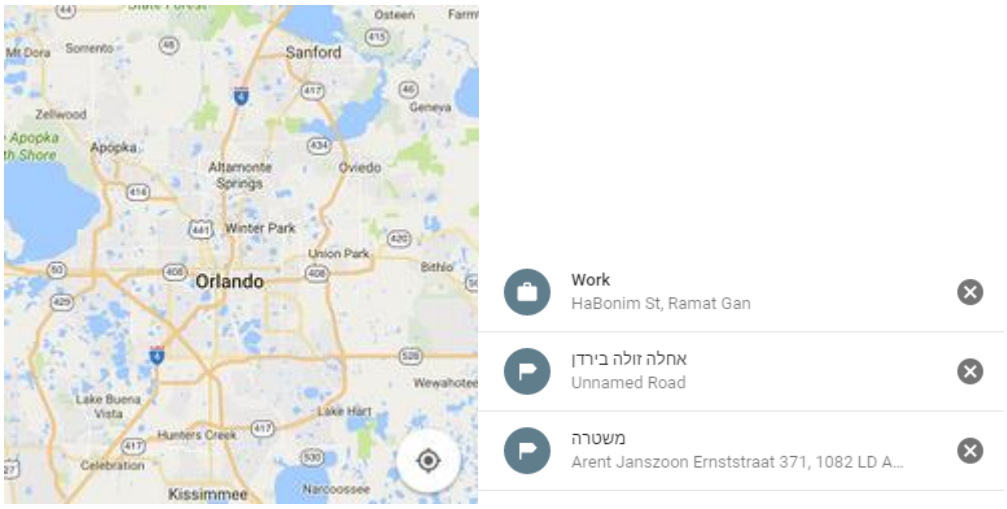
- Add a *required* email <input>
- Add  a *range* <input> to let the user select his age: 18->120

## map.html

Here we will show a **map** and allow the user to manage his places.

Tips:

- Use the 'create Google Api' doc to create an API key and secure it.
- This ex involves self learning and handling new documentation that we haven't met yet.
- Self learning new technologies is a big part of being a pro programmer!



### Steps

- Show a map centered at **Eilat**, when user clicks the  button *(search for "my location png" in google)*, get his current location and center the map accordingly.
    - Something like:
      map.setCenter(new google.maps.LatLng( 45, 19 )
- When a user clicks on the map, the user is prompted to enter a name and the clicked location is saved to a places array in the localStorage.
- Show the list and allow the user to remove a place.
  Use a placeService that manages the place entity, a place object looks like that:
  ```
  {id: 123, lat: 32.1416, lng: 34.831213, name: 'Pukis house'}
  ```

- Add navigation links to all pages.
- Let the user download a CSV of the places
- In the user-settings.html add another input: gender, that is based on a datalist with the options: Male, Female

### Bonuses

- Replace the prompt with a nice modal
- Add custom validation: validate the provided user age matches the provided birth year
- Create more pages and try out some HTML5 features we have covered