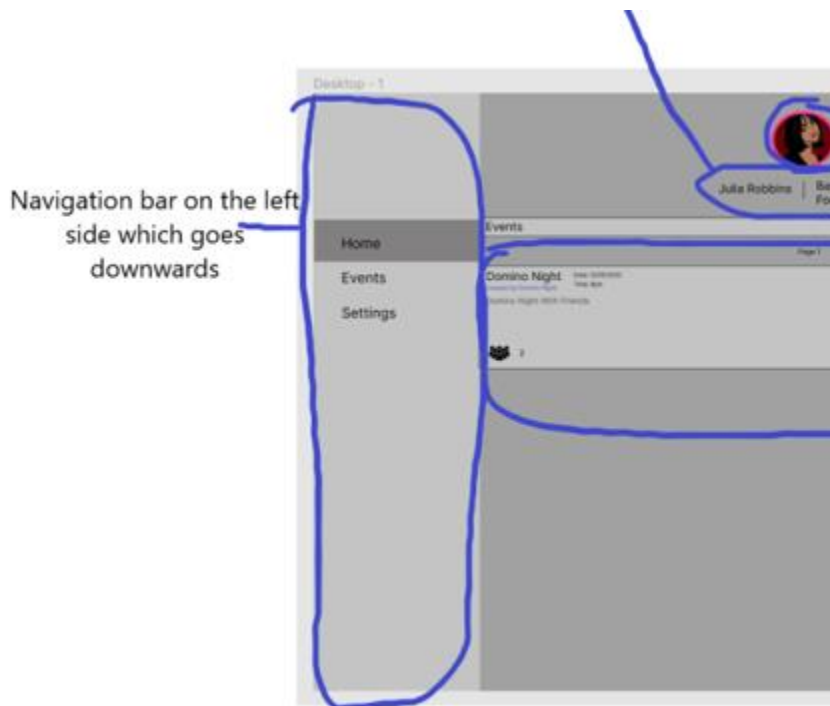


Design Review

How does the design minimize kinematic and cognitive load?

In our design, we have minimized Kinematic load by adding related objects together and making sure that things in our website are big enough so that the user does not have to put in extra effort onto clicking things.



Things are placed in the middle of the page where not much content is and all of the related objects to it are placed around it. Our navigation bar, for example, has all the links on the left of the page and these links are on top of one another. Once these links are finished, there is a lot of space underneath the last link. So, instead of using all of the space in the navigation bar to space out the links equally and using the whole height of the page, the links are instead close together and space is left at the bottom.

In terms of cognitive load, the design through-out the whole website is very consistent and it uses the same colors for everything that may be related to it. For example, buttons have black writing inside of them and their background is a lighter shade of gray.

No words are used in the website that would be domain related jargons. Everything is in simple English and this makes it easier for the user to understand what is going on. Font-sizes used are quite

appropriate where important things are big and less important things are big enough while also keeping the layout looking natural and not so all over the place.

There are no sections on the website that are too overwhelming or require too much thought.

Users would usually expect the navigation bar to be either on the top of the website or the left side for longer navigation bars. We chose to go with a left side navigation bar, even though we only have 3 links, just purely because it makes the website look much better and the navigation bar side is actually more easily accessible. This takes no new learning from the user as it's pretty self-explanatory that the side of the page is the navigation bar because of the choice of colors used on it and also because of the link names like "Home", "Events" and "Settings". Users should also be used to left -side navigation bars as they are not uncommon at all. Rather, right side navigation bars are more uncommon to see in English based websites as English readers usually tend to scan from left to right and hence their eyes would usually go from top left to right.

There's an About page link at the bottom of the page and also a Terms and Conditions link page. Users would usually expect to find information like this at the bottom of webpages, hence no new learning would be needed here.

Visuals are used wherever possible, especially for places where users have to input something, for example the "Create Event" button has a "+" sign on it to indicate it is to add something. On the login page, visuals are again used for example a Google login has a different color and the google logo and the "password" section has a Key on it.

The adding events section of the website is pretty straight forward and would not require much learning. You only need to add in basic things and you can invite people. The learning curve for the whole website would be at most 5 minutes, I'd say.

Anywhere something may not be clear, placeholder instructions are added which are not lengthy at all.

Usability:

Usability comes under 5 categories. Each of these will be talked about;

Learnability: For this category, the website should be pretty straight forward and to the point. Everything important that the user may need is "in your face" and nothing is really hidden between layers of things. Create event will be on the Events page, home will have confirmed events, and settings will of course have settings. To create events, it's still simple and nothing is required later on from the users. There is not a lot on the website that a user can do, hence it decreases learning time by a lot and everything which can be done is again, to the point. How to use the Calendar may take some learning and what happens if a user cancels an event or reschedules an event may take some learning, as well but, it isn't anything that would take more than a few minutes at most.

Efficiency: Users can perform tasks quite fast. They can check confirmed events on the home page. On the Events page they can look at all the events and their created events. They can create events very simply with 3 layers of pages when they're creating events. These layers are in the Design Document for creating webpages and their functionality is in the Features document.

Memorability: Users should be able to recall how to do things on the website very easily as the only thing they'd really need to learn on the website in the first place is how to create events, but if they have already learnt how to do so, it should not take long at all to recall it. Nothing is overcomplicated on the website and a lot of things used on the website are from good practices and the layouts are similar to other day-to-day websites that they user may be using.

Errors: When creating an event, users have the option to go back and start-over. Events can be easily cancelled and all attendees would be informed as such. Events can easily be rescheduled.

Satisfaction: The design is implemented with simplicity in mind. The whole layout of the website introduces nothing out of the ordinary or nothing that may raise an eye brow of the user. There is no page on the website that would make the user think twice about what they are doing. The color scheme used is very simple and it actually integrates the possibility of color-blind users using the website as using gray and different shades of gray to differentiate items is a good color to use for color blind users (<https://www.designmantic.com/community/website-design-guide-color-blind.php>).

Testing Kinematic load, cognitive load and usability:

We had 12 participants review our website and give us feedback on aspects of the website. Only relevant feedback to Kinematic load, cognitive load and usability is mentioned below;

- All participants said that they did not mind the color of the website at all and it actually made them feel like they were using a website that was very simple and basic.
- Using profile pictures and pictures for events seemed very unnecessary and they did not want to go through the hassle of adding such images when there was no need for them.
- They could navigate through the website very easily. The navigation bar on the side seemed fine and all users did not have a problem at all with it.
- The change of style/layout between the mobile version and the desktop increased learning time for the website and did not seem very consistent
- For the sign-up page, all the extra details that the sign-up was asking for seemed unnecessary and users would be reluctant to input those items of information. If anything, some participants said that they'd go to a new website just because of the fact that the website's own sign-up (not using other social plat-forms) was just going overboard
- On the same note, having 4 different options for signing up using other social plat-forms gave users a lot of freedom but this freedom is not really needed and if the sign-up process for the website becomes much simpler and requires a lot less information, the need of using a third-party would probably be eliminated.
- Creating events seemed straight forward but a little bit of explaining on what actually happens was needed as well.
- Would be simpler to use a different method of scheduling than the one initially proposed to the participants. This increased learnability and hence a new scheduling method will be proposed.
- Going back when they're creating an event allowed for freedom and had positive feedback. This comes under "Errors" in usability.
- There was no option to add the location of the event as separate text boxes which would increase usability and decrease learnability as the user would know what to input where

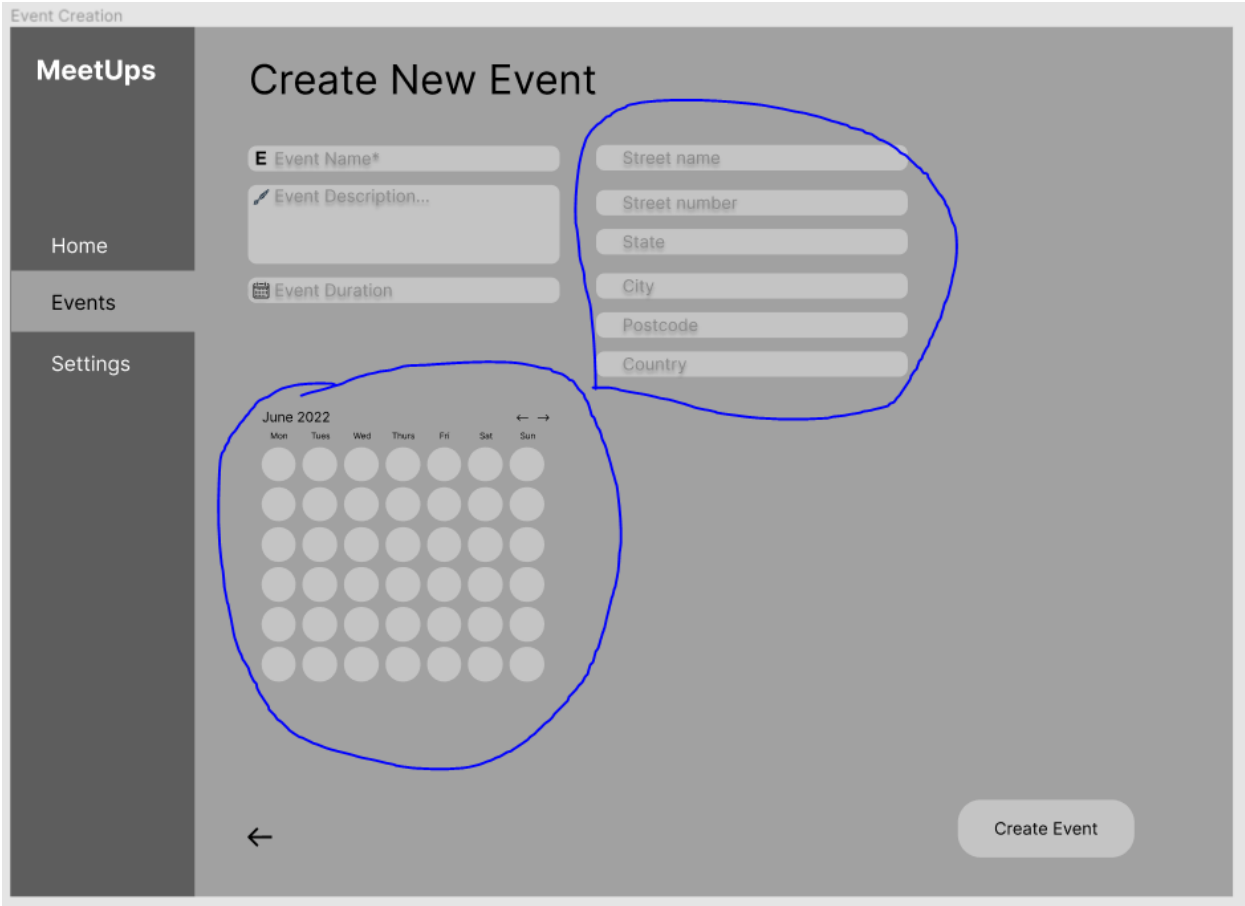
- Users did not feel as if related things were not close together. They liked how some parts of the website kept things close and compact and thus reduced kinematic load for them.
- The Settings page seemed very basic but participants did not have much to say about it as content within that page is very limited.
- In terms of kinematic load, users were pretty happy with where most things were located but, maybe the sizes of a few things could be increased, by only a little though.
- For cognitive load, some things mentioned above can be changed to reduce it. Other than that, the users seemed good with the proposed design as most of the basic things you'd find on a website were placed in places where most websites (especially the more popular ones) placed their items. Like for example; buttons for submitting things being on the bottom of the page and the navigation bar location. Even though some users said that they'd prefer the navigation bar to be on the top, they did not have a problem with the left side navigation bar at all.

Proposed changes:

- Remove the need for images for profiles and events
- Change the scheduling method so that the creator can choose a date and then the potential attendees can pick times they are available on those specific dates.
- No need for making different webpages for mobile and desktop versions. Instead, use "bootstrap" API and let it handle the resizing of the webpages as the webpage gets larger or shrinks. This will make the code more maintainable as well. The layout will be pretty consistent once bootstrap is used and learning for a smaller sized version of the website would be very low compared to initial proposed design.
- Remove the excess amount of information required from a user when they are signing-up to the website
- Remove the 4 sign-up options and just keep Google as the alternative option.

Updated design:

The following pages have been updated and can be compared to their own designs in the Design Document. Added/changed items are circled in the images.



- New Calendar item.
- No more images.
- Options on where the location of the event is are added.

MeetUps

You've been invited to <Event Name>

Duration: <Event_Duration>

Event Description, Lorem Ipsum dolor sit amet

Please pick the suitable times for your attendance from below:

December 9th 2022

☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

December 11th 2022

☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

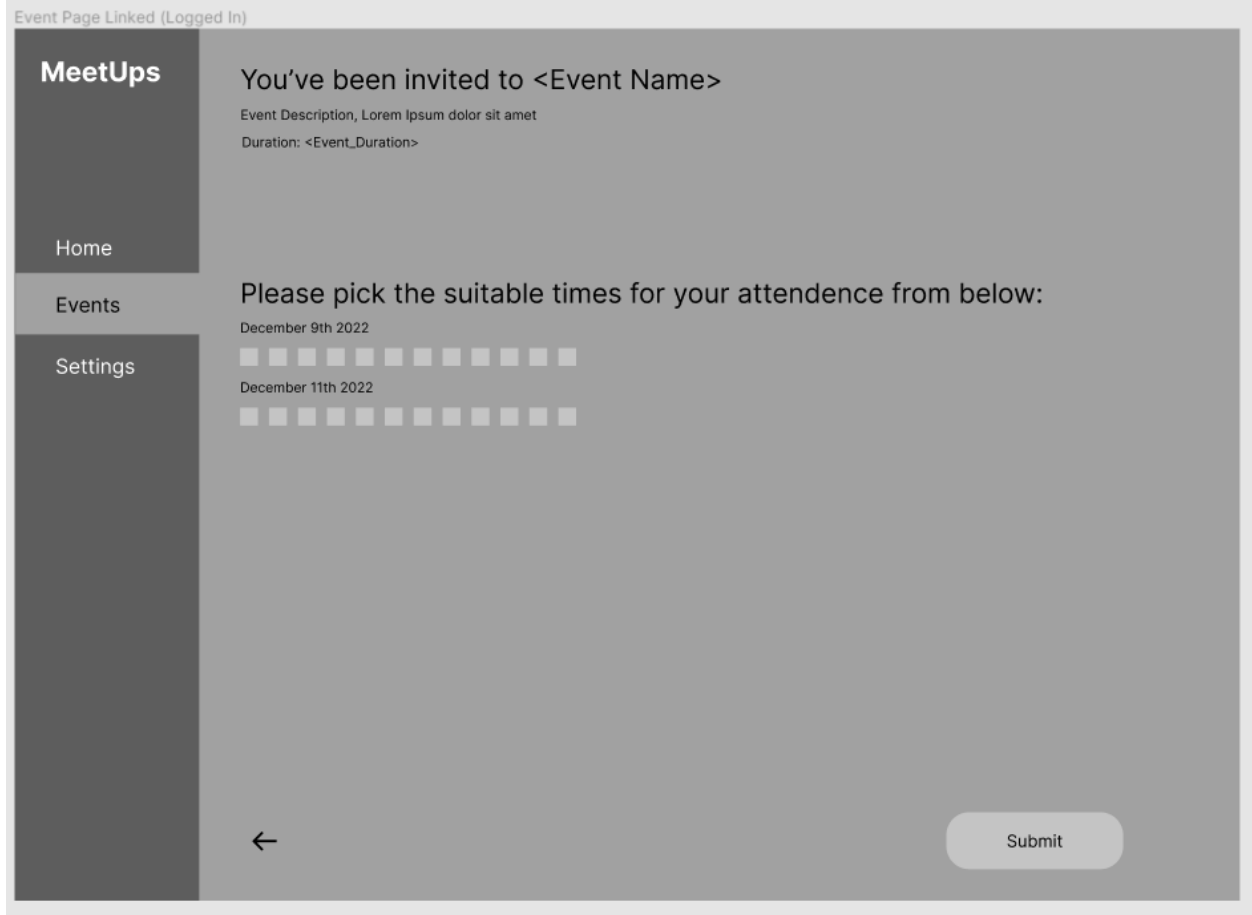
Login

Submit

[About](#)

[Terms and Conditions](#)

- New format of how users schedule events. Checkboxes are meant to be times they can schedule themselves as available on those days of the event.



- Same as above but for a logged in user.

MeetUps

User Sign Up

Sign In

Sign Up

N First Name

L Last Name

 Email

 Password

Sign Up

 Google

[About](#)

[Terms and Conditions](#)

- Removed extra bits of information that the user was required to put into the sign-up form.
- Removed other social plat-forms and only kept Google as Sign-Up is much simpler now.

MeetUps

Upcoming Events:

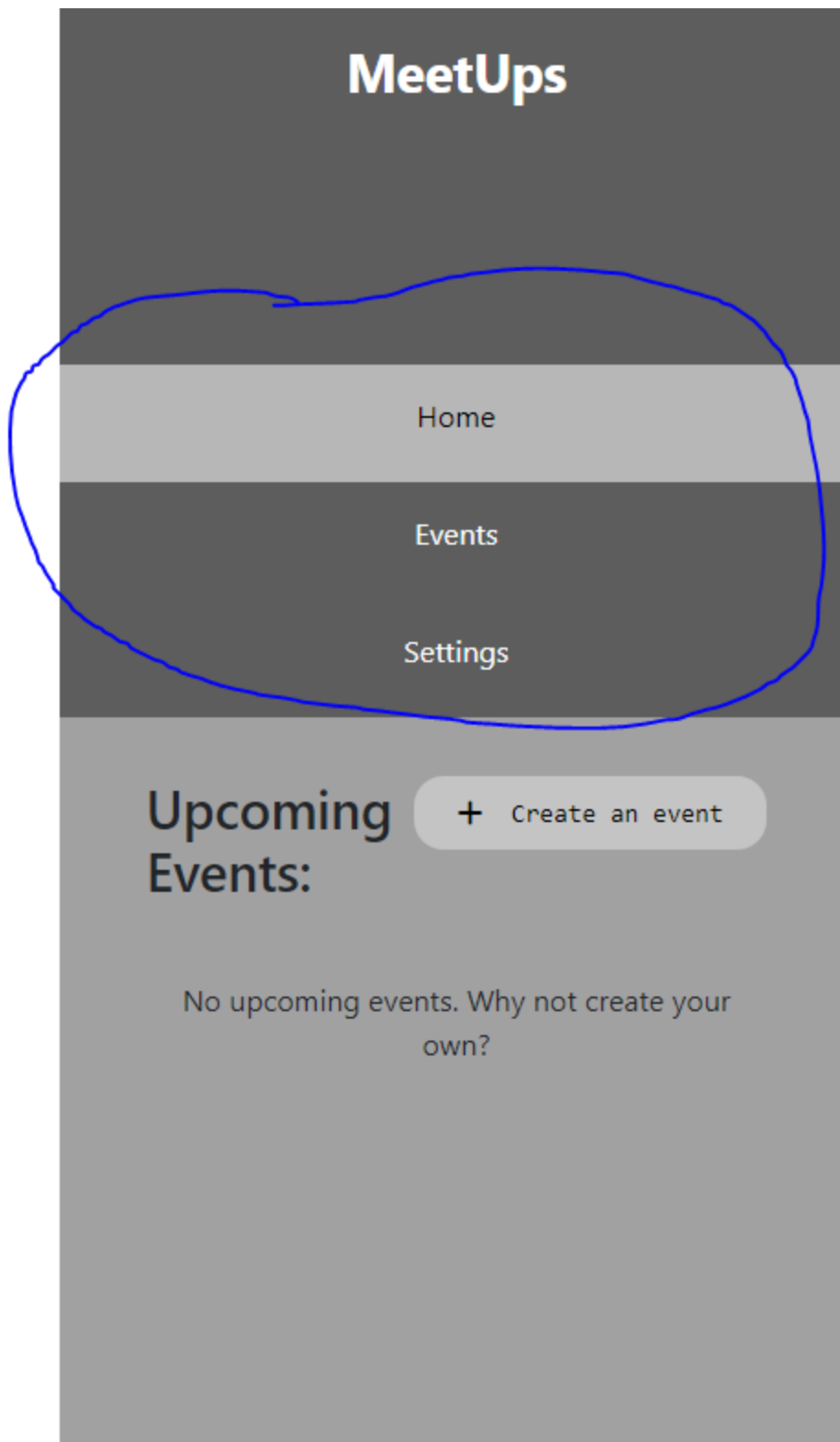
+ Create an event

No upcoming events. Why not create your own?

Home

Events

Settings



- Mobile/smaller browser versions of the website are now made using bootstrap.
- Navigation bar moves to the top of the page if width of the page is smaller than 576 pixels.

- All other pages will be handled using bootstrap, hence the layout of the website will be much more consistent.