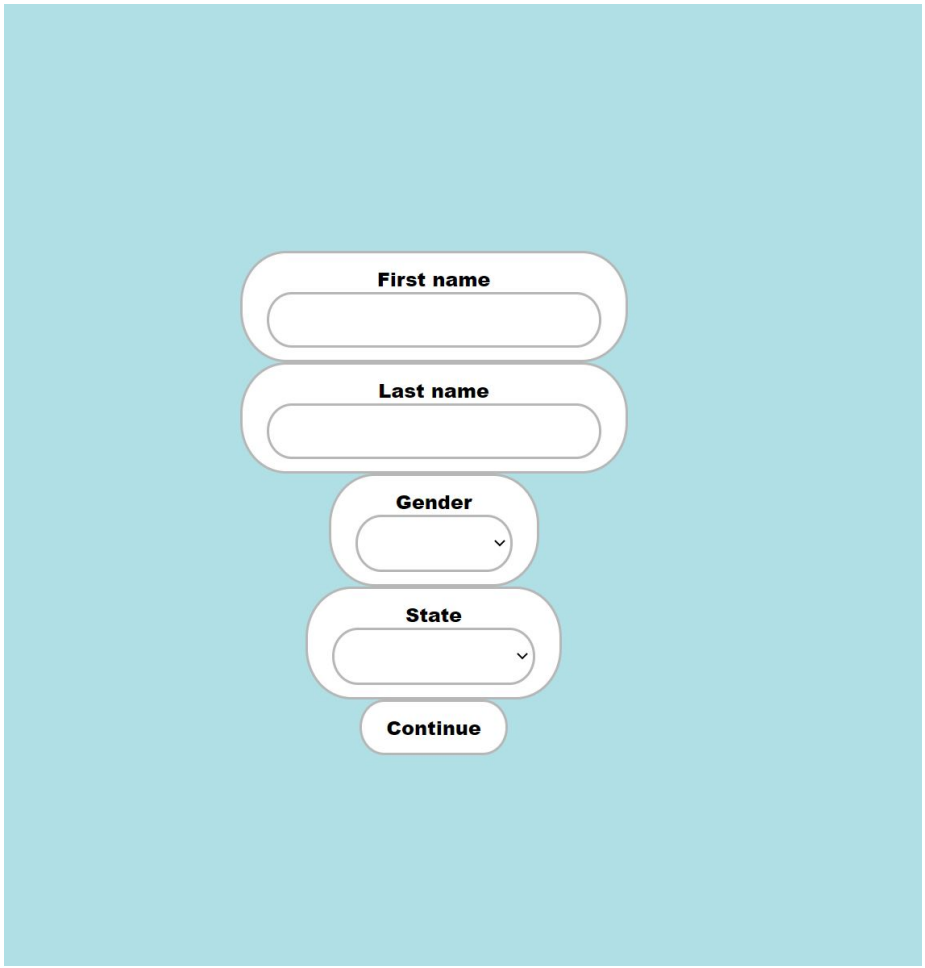
Alec Meyer
Homework 2 Report
Section 2
COMS319

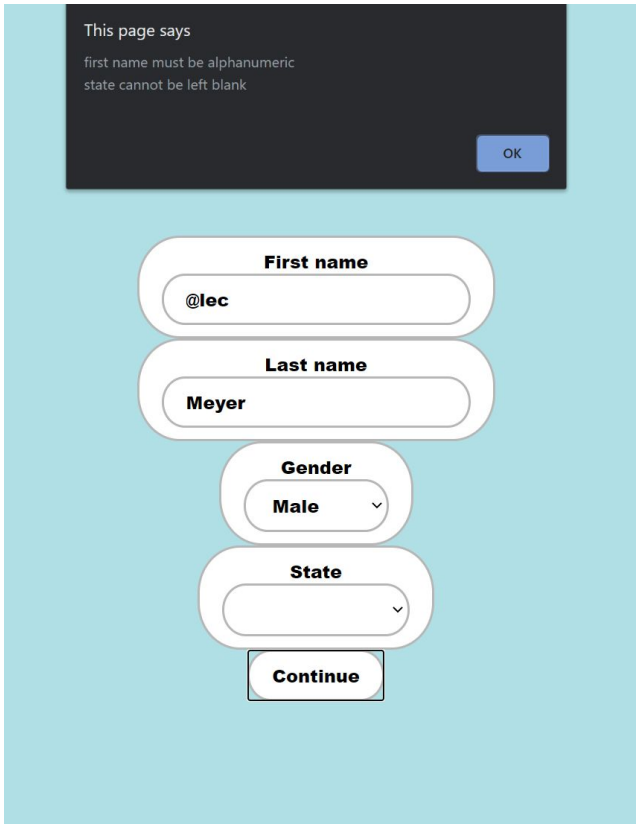
Using html I was able to set up text fields and drop-down boxes. Using javascript I was able to add validation functions which would use regexs to check if an input matched what was required (i.e. /^\w+([\.-]?\w+)*@\w+([\.-]?\w+)*(\.\w{2,3})+$/ was used to validate the email field was in the correct format). I used javascripts 'alert' function to post an alert message on the webpage describing what they were missing from the required fields. From there I used the DOM API which allowed me to create objects of the images; 'correct.png' and 'wrong.png' which made it much simpler to add and remove from the html page. I had an initial issue where the images would just keep overlapping but with the DOM API was able to make an array of elements and remove them when needed:

```
//removes the images so they don't stack
if(divElement.lastChild != null)
{
    divElement.removeChild(divElement.lastChild);
}
divElement.appendChild(img);
```

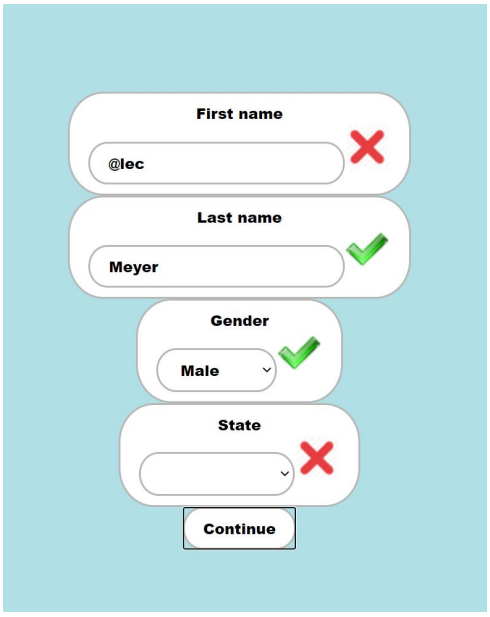
Homepage with no input:



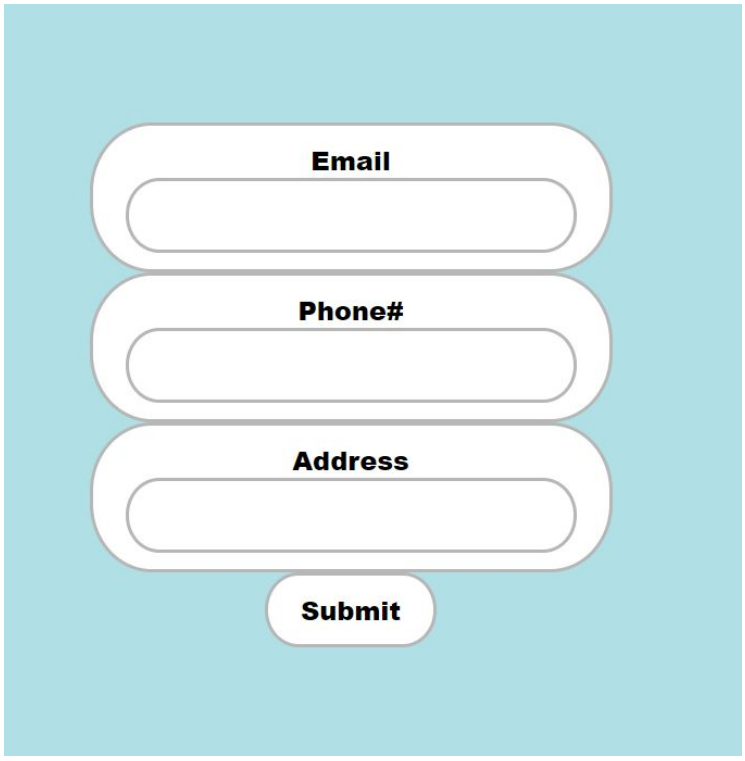
Homepage with alert message:



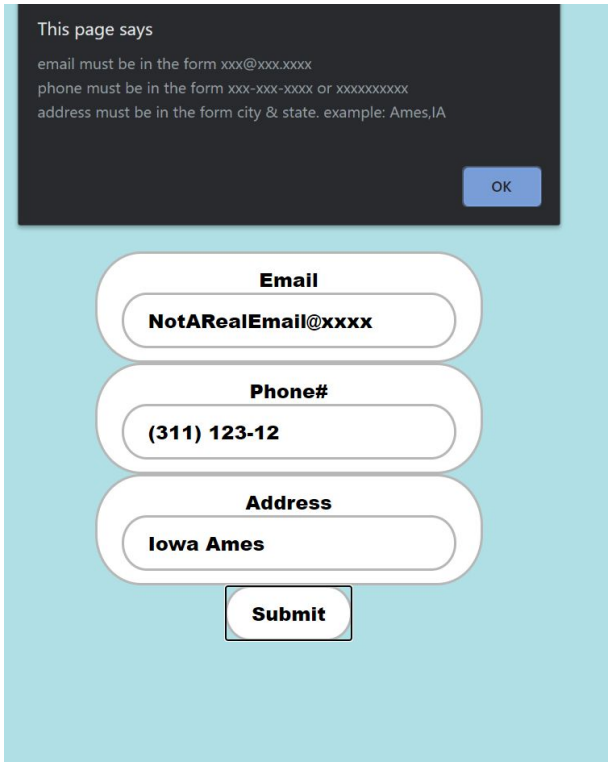
Homepage after validation:

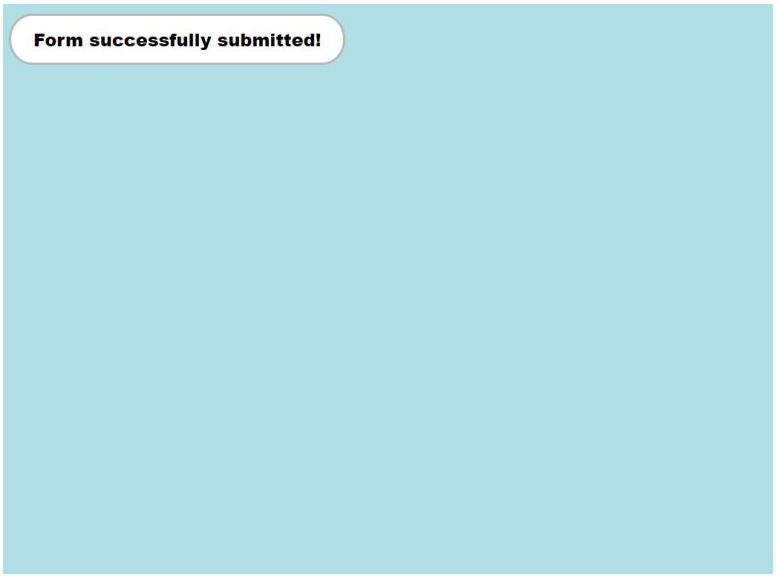


Second page with no input:



Second page with alert message:



Second page after validation:

Submit page (after second page is successful):