

```
1 @import url('https://fonts.googleapis.com/css2?
  family=Open+Sans:ital,wght@0,400;0,800;1,800&
  display=swap');
2
3 * {
4     font-family: "Open Sans", sans-serif;
5     font-style: normal;
6 }
7
8 .title {
9     font-size: 6vw;
10    font-weight: 800;
11    width: min-content;
12    float: left;
13 }
14
15 a {
16     text-decoration: none;
17 }
18
19 a:link {
20     color: black;
21 }
22
23 a:visited {
24     color: black;
25 }
26
27 html, body{
28     margin: 0;
29 }
30
31 .items{
32     font-size: 4vw;
33     font-weight: 800;
34     text-align: right;
35     float: right;
36 }
37 .menu{
38     display: flex;
39     align-items: center;
```

```
40     justify-content: space-between;
41     margin: 3vw;
42     height: min-content;
43 }
44
45 .goals{
46     display: flex;
47     justify-content: center;
48     align-content: center;
49 }
50
51 .goal{
52     background: rgba(0,0,0, 0.15);
53     width: 30vw;
54     height: 30vh;
55     border-radius: 6px;
56     padding: 2vw;
57     margin: 2vw;
58 }
59
60 .goal div {
61     margin-bottom: 1vh;
62 }
63
64 .goalTitle {
65     font-weight: 600;
66     font-size: 2.5vw;
67     width: content-box;
68     display: inline-block;
69 }
70
71 .goalDue {
72     opacity: .5;
73     display: inline;
74     font-size: 2vw;
75 }
76
77 .goalDescription {
78     float: left;
79     width: 50%;
80 }
```

```
81
82 .goalAmount {
83     display: block;
84     text-align: center;
85     font-weight: 800;
86     font-size: 5vw;
87     width: 100%;
88 }
89
90 .goalAmountDescription {
91     text-align: center;
92     color: rgba(0, 0, 0, .3);
93     width: 100%;
94 }
95
96 .goalAmountBox {
97     float: right;
98     width: 50%;
99     height: 80%;
100    display: flex;
101    align-content: center;
102    flex-flow: row wrap;
103 }
104
105 .centerbox {
106     display: flex;
107     align-items: center;
108     justify-content: center;
109     font-weight: 800;
110 }
111
112 /* Login and sign up style */
113
114 .loginBox {
115     display: flex;
116     justify-content: center;
117     align-items: center;
118     height: 70vh;
119 }
120
121 input, textarea, select {
```

```
122
123     background: rgba(0, 0, 0, .1);
124     border-radius: 6px;
125     border: none;
126     width: 30vh;
127     margin: 1vh;
128     height: 7vh;
129     font-size: 4vh;
130     font-weight: 800;
131     padding: 0.8vw;
132 }
133
134 .loginboxcenter {
135     height: min-content;
136     width: 30vh;
137 }
138
139 input::-webkit-input-placeholder, textarea::-
    webkit-input-placeholder {
140     font-weight: 800;
141     font-size: 4vh;
142     color: black;
143     opacity: 0.3;
144 }
145
146 .button {
147     background: black;
148     border: none;
149     height: 7vh;
150     width: 20vh;
151     margin: 1vh;
152     border-radius: 6px;
153     color: white !important;
154     text-align: left;
155     font-weight: 800;
156     font-size: 4vh;
157     padding-left: 0.8vw;
158 }
159 .signupBox {
160     display: flex;
161     align-items: center;
```

```
162     justify-content: center;
163 }
164
165 .signupcenter {
166     width: 64vh;
167 }
168
169 .infotitle {
170     font-weight: 800;
171     margin: 1vh;
172     display: block;
173     font-size: 4vh;
174     padding: 1vh;
175 }
176
177 #aboutyou {
178     height: 43vh;
179 }
180
181 #aboutyou::-webkit-input-placeholder {
182     padding: 0.8vw;
183 }
184
185 input[type='date']:before {
186     content: attr(placeholder);
187     white-space: pre;
188 }
189
190 .button a:link, .button a:visited{
191     color: white !important;
192 }
193
194 option:checked {
195     display: none;
196 }
197
198 select:has(> option[value="monetary"]:checked) ~ #
    monetaryinput{
199     display: block !important;
200 }
201
```

```
202 select:has(> option[value="numeric"]:checked) ~ #
    numericinput{
203     display: block !important;
204 }
205
206 select:has(> option[value="boolean"]:checked) ~ #
    boolean{
207     display: block !important;
208 }
209
210 .valid {
211     outline: medium solid green;
212 }
213
214 .invalid {
215     outline: medium solid red;
216 }
217
218 .invalid + span::after, .valid + span::after {
219     width: 30vh;
220     height: auto;
221     position: absolute;
222     z-index: 99;
223     margin: 1vh;
224     padding: 1vh;
225     border-radius: 6px;
226     background: white;
227     box-shadow: rgba(0, 0, 0, 0.1) 1px 0 100px;
228 }
229 .invalid:focus + span::after {
230     content: attr(message);
231 }
232
233 .invalid{
234     animation: shake 0.1s ease-in-out 0s 3;
235 }
236
237 @keyframes shake {
238     0% {transform: translateX(0)}
239     25% {transform: translateX(5px)}
240     50% {transform: translateX(0)}
```

```
241     75% {transform: translateX(-5px)}
242     100% {transform: translateX(0)}
243 }
244
245 .valid {
246     outline: medium solid green;
247 }
248
249 .valid:focus + span::after {
250     content: "Looks good!";
251     display: block !important;
252 }
253
```

```
1 <html>
2 <head>
3     <title>Goals</title>
4     <link rel="stylesheet" href="index.css">
5 </head>
6 <body>
7 <div class="menu">
8     <div class="title">Goals</div>
9     <div class="items">
10         <a href="index.html">HOME</a>
11         <a href="login.html">LOGIN</a>
12         <a href="signup.html">SIGN UP</a>
13     </div>
14 </div>
15
16 <div class="goals">
17     <div class="goal">
18         <div class="goalTitle">Drink water</div>
19         <div class="goalDue">10/3/2023</div>
20         <div class="goalDescription">To stay
hydrated you got to drink enough water</div>
21         <div class="goalAmountBox">
22             <div class="goalAmount">5/7</div>
23             <div class="goalAmountDescription">
Glasses</div>
24         </div>
25     </div>
26     <div class="goal">
27         <div class="goalTitle">Drink water</div>
28         <div class="goalDue">10/3/2023</div>
29         <div class="goalDescription">To stay
hydrated you got to drink enough water</div>
30         <div class="goalAmountBox">
31             <div class="goalAmount">5/7</div>
32             <div class="goalAmountDescription">
Glasses</div>
33         </div>
34     </div>
35     <div class="goal centerbox">
36         <div><a href="newgoal.html">+ Create new
goal</a></div>
```



```
37     </div>
38 </div>
39
40 </body>
41 </html>
```

```

1 <html>
2 <head>
3     <title>Goals - Login</title>
4     <link rel="stylesheet" href="index.css">
5 </head>
6 <body>
7 <div class="menu">
8     <div class="title">Goals</div>
9     <div class="items">
10         <a href="index.html">HOME</a>
11         <a href="login.html">LOGIN</a>
12         <a href="signup.html">SIGN UP</a>
13     </div>
14 </div>
15
16 <div class="loginBox">
17     <div class="loginboxcenter">
18         <input placeholder="email" pattern=".{1
19 ,}@.{1,}\..{1,}" required><span message="This field
20 can not be empty and must be a valid email"></span
21 >
22         <input placeholder="password" type="
23 password" pattern="[A-z0-9~\`!\@#\$\%\^\&\*\(\)\
24 _\-\+\=\{\}\[\]\|\\\:\;\&quot;\'\<\,\>\.\?\/]{12,}"
25 required><span message="This field can not be
26 empty"></span>
27         <button class="button" id="submit"><a href
28 ="index.html">Login</a></button>
29     </div>
30 </div>
31
32 <script src="verifyform.js"></script>
33 </body>
34 </html>

```

```
1 <html>
2 <head>
3   <title>Goals - Sign Up</title>
4   <link rel="stylesheet" href="index.css">
5
6 </head>
7 <body>
8 <div id="tracking" onclick=""></div>
9 <div class="menu">
10   <div class="title">Goals</div>
11   <div class="items">
12     <a href="index.html">HOME</a>
13     <a href="login.html">LOGIN</a>
14     <a href="signup.html">SIGN UP</a>
15   </div>
16 </div>
17
18 <div class="signupBox">
19   <div class="signupcenter">
20     <div style="float: left; display: inline; width
: min-content">
21       <input placeholder="full name" pattern="[A-z
| ]*" required><span message="Required, can only
contain alphabetical letters"></span>
22       <input placeholder="username" pattern="[A-Z
].{3,10}[0-9]" required><span message="Required,
must start with a capital letter, end with a number
or special character, 5 to 12 characters"></span>
23       <input placeholder="email" pattern=".{1,}@.{1
,}\.?.{1,}" required><span message="Required, must
follow email format"></span>
24       <input placeholder="password" pattern="[\w
~`!@#\$%^&*\\(\)-\+=\{\[\]\|\\:;&quot;
'<,>\\.\\?/]{12,}" type="password" required><span
message="Required, minimum of 12 characters,
combination capital and lower letters, numbers and
symbols"></span>
25       <select required>
26         <option value="male">male</option>
27         <option value="female">female</option>
28       </select>
```

```

29     </div>
30
31     <textarea placeholder="about you" style="float
: right; display: inline; resize: none" id="
aboutyou"></textarea><span></span>
32     <div class="infotitle" style="margin-top: 40vh
!important;">address info</div>
33     <input placeholder="zipcode" id="zipcode"
required><span message="Required, must follow
zipcode format, e.g.: Netherlands: 1234AB"></span>
34     <input placeholder="country" style="float:
right" id="country" required><span message="
Required"></span>
35     <input placeholder="address"><span></span>
36     <input placeholder="language" style="float:
right" required><span message="Required"></span>
37     <button class="button" id="submit" onclick="
updateTracking();showTracking();(e)=>{e.
preventDefault()};"><a href="index.html">Sign Up</a
></button>
38 </div>
39 </div>
40
41
42
43 <script src="verifyform.js"></script>
44 <script>
45     let country = document.getElementById("country")
46     let zipcode = document.getElementById("zipcode")
47     country.addEventListener("change", (e) => {
48         if (country.value.toLowerCase() == "netherlands
") {
49             zipcode.setAttribute("pattern", "[0-9]{4}[A-Z
]{2}")
50         } else {
51             zipcode.removeAttribute("pattern")
52         }
53     })
54
55     // Define tracking variables
56     let clicks = 0

```

```
57  let seconds = 0
58  let keypresses = 0
59  let characters = 0
60
61  // For every click increment the click counter
62  document.addEventListener("click", () => {clicks
    += 1})
63
64  // Added keypress listeners to all input fields
65  document.querySelectorAll("input, textarea").
    forEach((q) => {
66      q.addEventListener("keypress", ()=>{characters
        +=1})
67  })
68
69  // Add keydown event to the whole document and
    increment the counter on keydown
70  document.addEventListener("keydown", (e) => {
71      keypresses += 1
72  })
73
74  // Set an interval to count the time on the page
75  setInterval(()=> {
76      seconds += 1
77  }, 1000)
78
79  // Create a function to show the tracking div
80  let trackingdiv = document.getElementById("
    tracking")
81  function showTracking() {
82      trackingdiv.style.display = "block"
83  }
84
85  // Create a function to update the tracking
86  function updateTracking() {
87      trackingdiv.innerHTML = `Number of mouse clicks
        : ${clicks}\n` +
88          `Total time spent: ${((seconds-(seconds%
        60))/60} minutes and ${seconds%60} seconds\n` +
89          `Total key presses: ${keypresses}\n` +
90          `Total number of characters typed: ${`
```

```
90 characters}
91     }
92 </script>
93
94 </body>
95 </html>
```

```
1 <html>
2 <head>
3   <title>Goals - Create New Goal</title>
4   <link rel="stylesheet" href="index.css">
5 </head>
6 <body>
7 <div class="menu">
8   <div class="title">Goals</div>
9   <div class="items">
10    <a href="index.html">HOME</a>
11    <a href="login.html">LOGIN</a>
12    <a href="signup.html">SIGN UP</a>
13  </div>
14 </div>
15
16 <div class="loginBox centerbox">
17   <div class="" style="width: 64vh">
18     <div class="infotitle">general info</div>
19     <input placeholder="name" style="float: left"
20 required><span message="This field can not be empty
21 "></span>
22     <textarea placeholder="description" style="
23 resize: none; float: right; height: 16vh;" required
24 ></textarea><span message="This field can not be
25 empty"></span>
26     <input placeholder="Due: " type="date" style="
27 float:left;" required><span message="This field can
28 not be empty"></span>
29     <div class="infotitle" style="">goal info</div>
30     <select name="type" id="typeSelect" required>
31       <option value="monetary">monetary</option>
32       <option value="numeric">numeric</option>
33       <option value="boolean">boolean</option>
34       <option></option>
35     </select><span message="This field can not be
36 empty"></span>
37     <input placeholder="amount ($)" id="
38 monetaryinput" style="display: none; float: right"
39 type="number" min=0 value=0 required><span message
40 ="This field can not be empty"></span>
41     <input placeholder="amount" id="numericinput"
```

```
30 style="display: none; float:right;" type="number"
   min=0 value=0 required><span message="This field
   can not be empty"></span>
31 <input type="button" id="booleaninput" style="
   display: none" value=0 required><span message="This
   field can not be empty"></span>
32 <input placeholder="descriptor" style="width:
   62vh" required><span message="This field can not be
   empty"></span>
33
34 <button class="button" style="width: 30vh !
   important; color: white !important;" id="submit"><a
   href="index.html">Create goal</a></button>
35 </div>
36
37 </div>
38 <script src="verifyform.js"></script>
39 </body>
40 </html>
```



```
1 let submit = document.getElementById("submit")
2 submit.addEventListener("click", (e) => {
3     let all = true;
4     document.querySelectorAll("input, textarea").
    forEach((q) => {
5         q.classList.remove("invalid")
6         void q.offsetWidth
7         if (!q.checkValidity()) {
8
9             all = false;
10            q.classList.add("invalid")
11        } else {
12            q.classList.add("valid")
13        }
14    })
15    if (!all) {e.preventDefault()} else {
16        let message = ""
17        document.querySelectorAll("input, textarea
18        , select").forEach((q) => {message+=q.value+"; "})
19        alert(message)
20        // Just because we don't need to redirect
21        e.preventDefault()
22    })
23 }
```