

Applying Branding Styles to the i2b2 Web Client v1.8

Applying Branding Styles to the i2b2 Release v1.8+
1st April 2023

SUMMARY

This document describes how to customize the look and feel of your i2b2 web client deployment by applying branding styles and modifying HTML templates.

UI MODIFICATION LOCATIONS

CSS Styles

To style the main UI's colors and fonts you will need to modify the master CSS file. This file is located at `/assets/css/i2b2.css` from the root of the web client directory. If additional styling is needed each cell has one or more CSS files within their assets subdirectory. For example, to change styles of the CRC's query history window you can access it in the `/js-i2b2/cells/CRC/assets/QueryHistory.css` file.

Main HTML

The file which contains the HTML for the main window layout is the `/assets/main_display.html` file. This file contains the HTML for the top-most bar in the UI. The file also contains the two DIVs used to contain the functional panels (left/right sides) of the i2b2 web client.

Login Screen

The initial login screen is managed by the PM (Project Management) cell and thus its HTML/CSS files are located in the `/js-i2b2/cells/PM/assets` directory. The files `login.html` and `login.html.css` can be modified to change the login screen. By default, the image located at `/assets/images/logo.png` is used for the logo at the top of the login screen. There is a on the login screen link for users who have forgotten their password which needs to be updated for your deployment. There is also a login screen link for linking to the classic i2b2 webclient. It can be set to the location of the classic i2b2 webclient or removed if there is none.

The login screen's HTML also defines the buttons used by SAML2 authentication. By default, it contains an entry for Okta authentication service. To make your own buttons follow the template below. The critical attributes that must be used are the `sso-button` style and the presence of the `data-service` attribute which identifies the SAML2 service.

```
<a class="btn sso-button btn-sm" data-service="okta"
style="display: none" tabindex="0">

<div>Sign in with Okta</div>
</a>
```

MODIFICATION EXAMPLES

Login Screen

Here we show how an edit to the `/js-i2b2/cells/PM/assets/login.html` file can replace the logo at the top of the login screen. The "forgot password" link was also removed and instead a "Powered by i2b2" link was added.

i2b2 Login



i2b2 Host

HarvardDemo



Username

demo

Password

.....

Login

Forgot [password?](#)

Login



RECOVER

Researching COVID to Enhance Recovery

i2b2 Host

HarvardDemo



Username

Enter Username

Password

Enter Password

Login

Powered by [i2b2](#)

```

1 <!DOCTYPE html>
2 <html>
3 <body>
4 <div id="PM-login-modal" class="modal">
5   <form class="modal-content">
6     <div class="container" style="background-color:#f1f1f1; font-weight: bold; font-size: 15px;"><div>Login</div></div>
7     <div class="container" style="background-color:#f1f1f1; font-weight: bold; font-size: 15px;"><div>i2b2 Login</div></div>
8     <div class="imgcontainer">
9       
10      
11    </div>
12    <div class="container">
13      <div class="form-group">
14        <label for="logindomain"><b>i2b2 Host</b></label>
15        <select class="form-select" id="logindomain">
16          <option value="0">Loading...</option>
17        </select>
18      </div>
19
20      <div class="form-group login-user">
21        <label for="loginusr"><b>Username</b></label>
22        <input type="text" placeholder="Enter Username" name="loginusr" id="loginusr" required class="form-control">
23      </div>
24      <div class="form-group login-password">
25        <label for="loginpass"><b>Password</b></label>
26        <input type="password" placeholder="Enter Password" name="loginpass" id="loginpass" required class="form-control">
27      </div>
28
29      <button type="submit" class="btn btn-primary btn-sm login-button">Login</button>
30
31      <a class="btn sso-button btn-sm" data-service="okta" style="display: none" tabindex="0">
32        
33        <div>Sign in with Okta</div>
34      </a>
35    </div>
36
37    <div class="container" style="background-color:#f1f1f1">
38      <div style="text-align:right;font-size:.85em;" title="Visit i2b2 site in a new window">Powered by <a href="http://www.i2b2.org" target="_blank">i2b2</a></div>
39      <div>Forgot <a href="#">password</a></div>
40    </div>
41  </form>
42 </div>
43
44 </body>
45 </html>
46

```

Main UI

Here we show how edits to the /assets/main_display.html file manipulate the logo at the top of the main UI screen along with modification to the text.

Terms **Info**

Any Category

- + Clinical Trials
- + Custom Metadata
- + Demographics
- + Diagnoses
- + Diagnoses (ICD10)
- + Expression Profiles Data
- + Laboratory Tests
- + Medications

Workplace

- + demo
- + SHARED

Queries

Any Category

- + Esophageal refl@06:57:35 [4-11-2023] [demo]
- + Operations on n@06:56:27 [4-11-2023] [demo]
- + Asthma-Prednis@06:54:52 [4-11-2023] [demo]
- + Asthma-Prednis@06:54:10 [4-11-2023] [demo]

Find Patients **Analysis Tools**

☐ Find Patients ☐ with ☐ without ☐ when

drag a concept here to define inclusion or exclusion criteria

Name: Find Patients Clear All

Query Status

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Query Status

Here are the HTML edits

```

1 <!doctype html>
2 <html lang="en">
3 <body>
4 <div id="top-bar">
5     
6     <h5> Query & Analysis Tool</h5>
7     <table id="topBarTable">
8         <tr>
9             <td class="logo"></td><td>
10                 <div id="headerOptions" class="fs-4 mb-3">
11                     <a href="#" title="Help Page"><i class="bi bi-question-circle"></i></a>
12                     <div class="dropdown">
13                         <a href="#" title="Account Information" onclick="i2b2.PM.setUserAccountInfo()" data-bs-toggle="dropdown"><i class="bi bi-person-circle"></i></a>
14                         <a href="#" onclick="i2b2.PM.setUserAccountInfo()" title="Account Information" data-bs-toggle="dropdown"><i class="bi bi-person-circle"></i></a>
15                         <ul id="userInfo" class="dropdown-menu">
16                             <li>
17                                 <h6 class="dropdown-header">User</h6>
18                                 <li class="dropdown-item static">
19                                     <span class="user"></span>
20                                 </li>
21                             </li>
22                             <hr class="dropdown-divider">
23                             </li>

```