

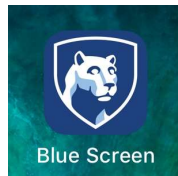
Penn State Wilkes-Barre Blue Screen Mobile

Johnathan Shea
Frouke de Quillettes, IST240

Introduction

My assignment was to create a progressive web application that worked with XML and Web Services. The application needed to read two different files containing Penn State Wilkes-Barre's Blue Screen messages and Class Cancellation messages and decode them using JavaScript. Each file needed to be displayed on a mobile device at the press of a button on the same screen. The application also had to display an icon on the mobile device's home screen

Application Icon



Background

I spent much of the time in the creation of this application working on the design and features to make it easily readable and user friendly. Most of the design aspects and features of the application were pursued beyond the scope of the original assignment. Developing the application helped me to better understand many aspects involved in web development.

The application was chosen by a member of the faculty to be used on the campus website, and it is currently available at wb.psu.edu/blue-screen-mobile

Available for all Android and iPhone users.

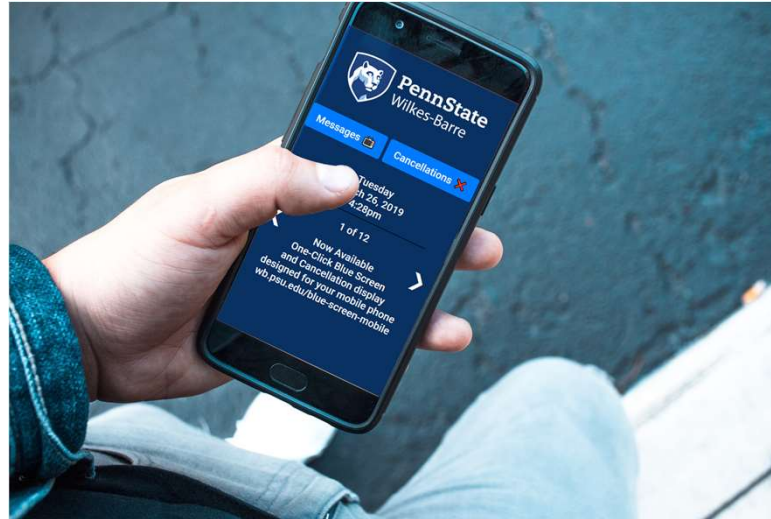


Image: pixabay

Coded using HTML, JavaScript, CSS, and XML

Snippet of my code.

```
if (window.XMLHttpRequest)
    { // code for IE7+, Firefox, Chrome, Opera, Safari
      xmlhttp=new XMLHttpRequest();
    }
else
    { // code for IE6, IE5
      xmlhttp=new ActiveXObject("Microsoft.XMLHTTP");
    }
xmlhttp.open("GET", "https://www2.wb.psu.edu/messageboard/xml.asp", false);
xmlhttp.send();
xmlDoc=xmlhttp.responseXML;

var x=xmlDoc.getElementsByTagName("Message");
m1+="

## How to install



On your Apple or Android device visit wb.psu.edu/blue-screen-mobile and follow the on screen instructions.



### iOS Device



1. On your phone or iPad, visit the Blue Screen for Mobile web page at https://www2.wb.psu.edu/bluescreen.
2. Tap the Share icon  at the bottom center of the window.
3. Tap "Add to Home Screen"  (scroll to the right if it's not visible).



### Android Device



1. On your phone or other Android device, visit the Blue Screen for Mobile web page at https://www2.wb.psu.edu/bluescreen.
2. Tap on the 3 vertical dots in the right-hand top corner.
3. Tap on "Add to Home Screen".
4. If you are using Chrome, tap on "ADD".



## Resources



https://www.w3schools.com



https://javascriptobfuscator.com/Javascript-Obfuscator.aspx






```