

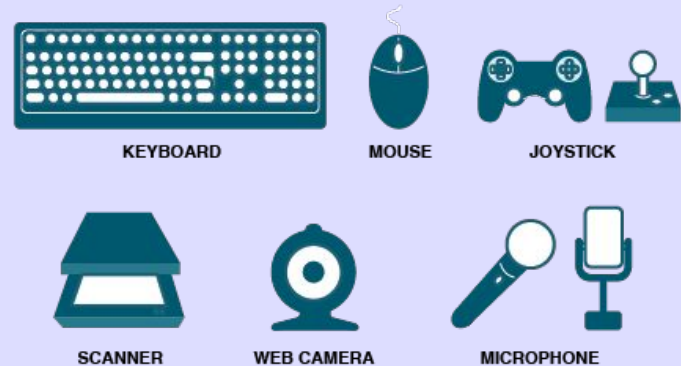
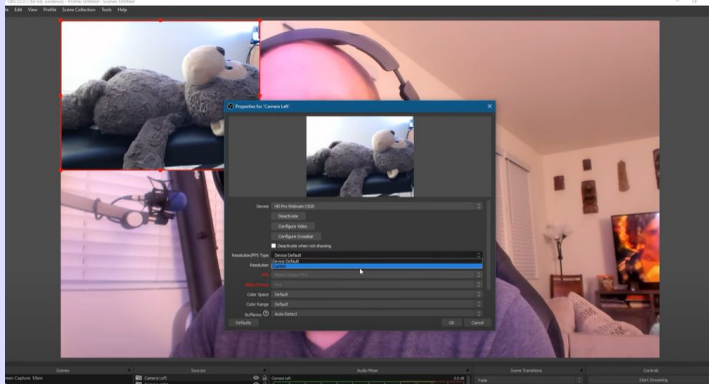
First Interface

By Lani Akinwale
and Daniel Kim

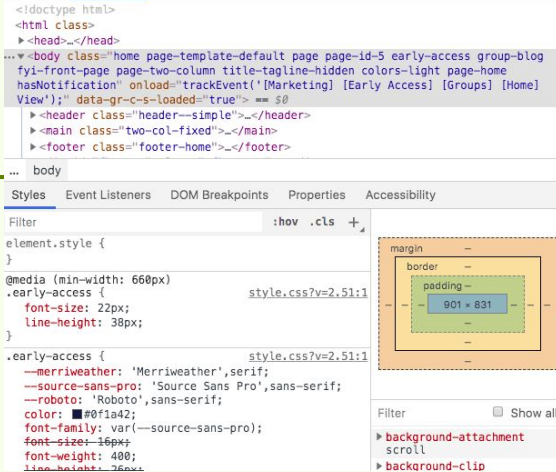
The Graphical User Interface

Our goal is to create a simple web-based platform that allows users to view all aspects of a remote lab via a video stream and interact through input devices, such as keyboards and game controllers.

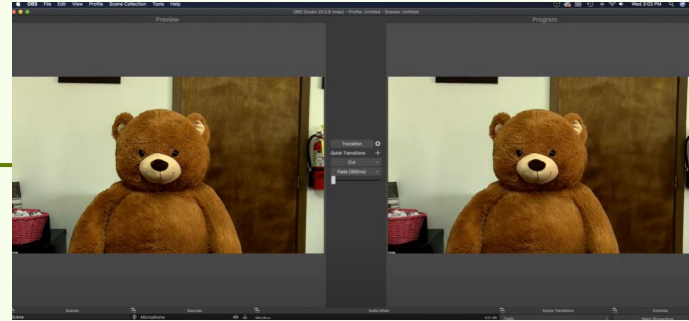
INPUT DEVICES



Components



Frontend Programmed Using
HMTL (Chrome DevTools)



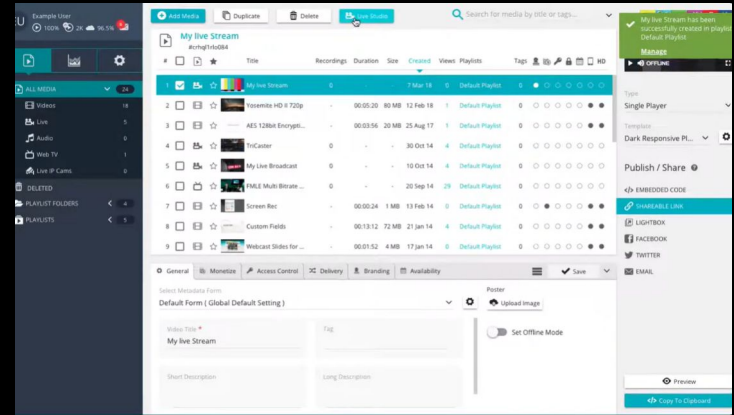
Video Stream Programmed in C (OBS Studio)

Implementation

The main challenge of the first interface will be integrated the OBS Studio software with our HTML platform

We would either have to

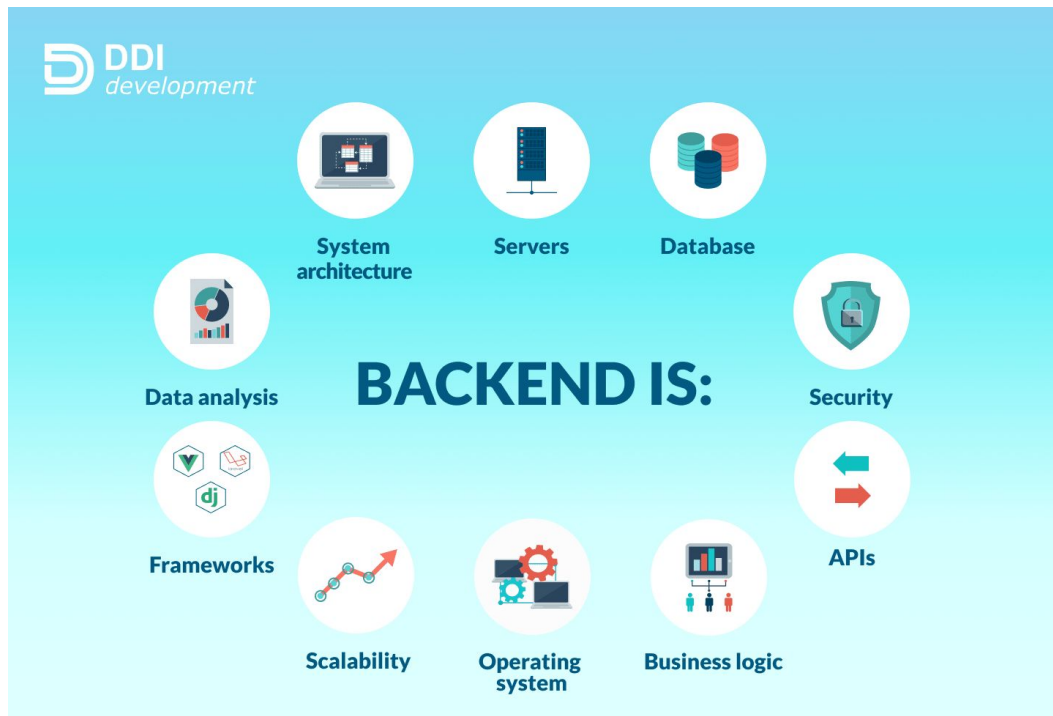
- 1.) Create an HTML overlay in OBS Studio
- 2.) Turn our OBS Studio feed into an embedded video that can be displayed on our separate HTML platform (possibly using RTMP - Real-Time Messaging Protocol)



Future Additions

Website Backend Programmed in Python

Our main goal will be to find a software that allows us to easily build our Internet communication backend.



Thank You :)