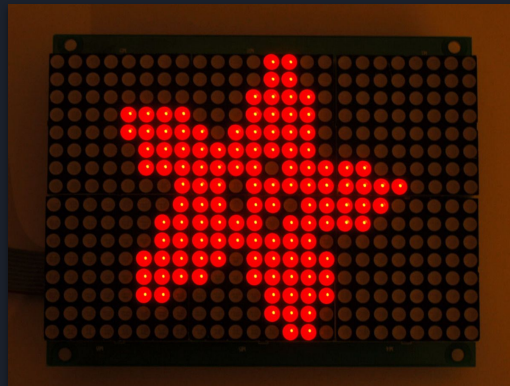


Makerspace: LED Matrix



By Thomas Adari, Siddhant Govil, Elwin
Cabrera, Komal Aryal, Christian Caballero

What is a MakerSpace?



Our Client

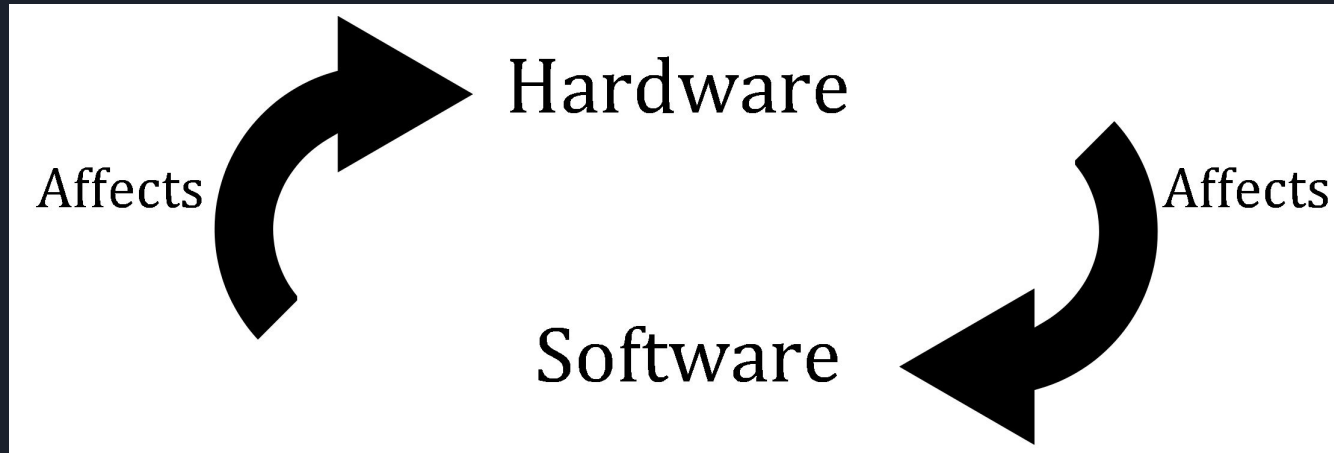


Our Goal

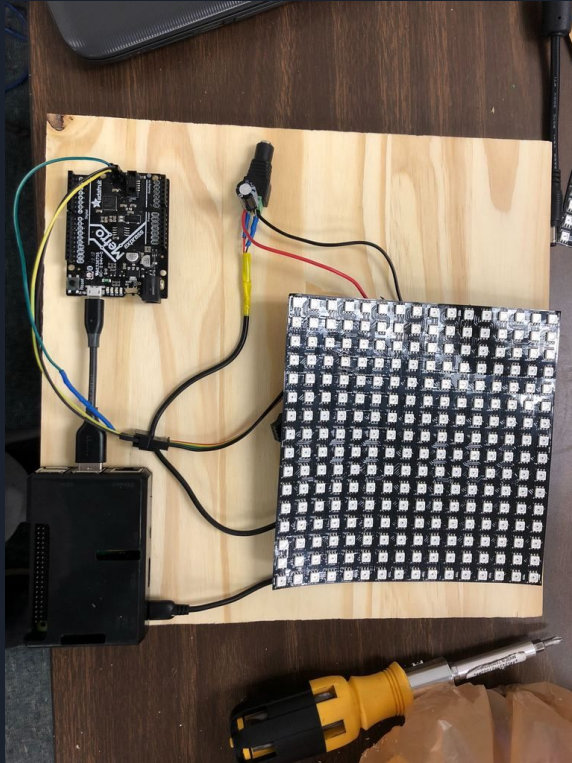




Design Overview



Building The Matrix



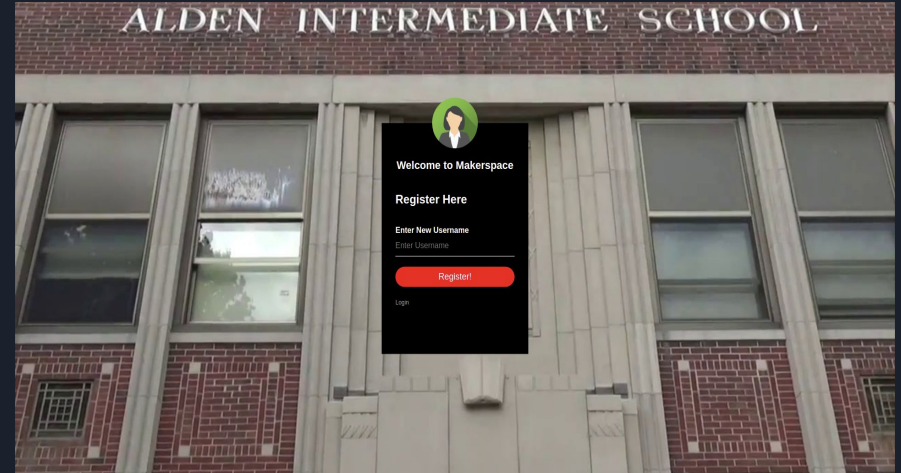
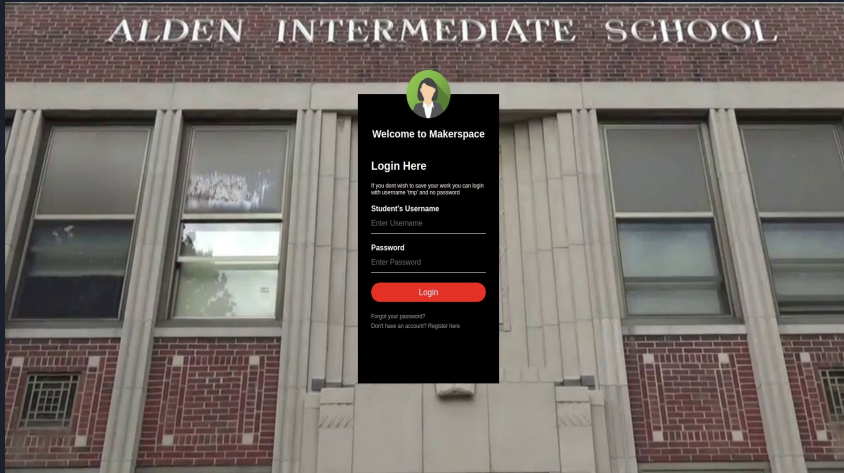
Building the Matrix (Cont.)



How does it work?

Website and Login Feature

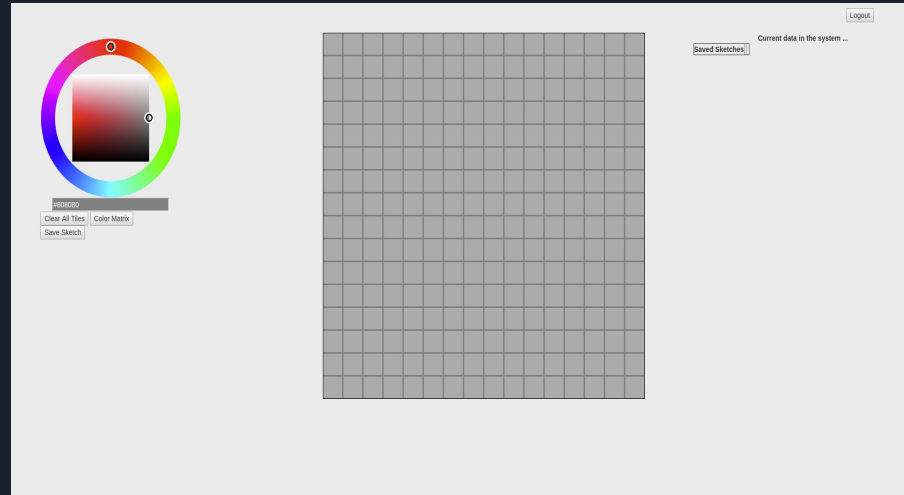
- Simple and easy to understand login feature
- Provides students the ability to save/load or manage their own works



How does it work? (Cont.)

Simple Interface

- Instructions on how to use the site and produce your work is clear
- Selecting your color and creating a piece is easy as sliding your finger across the screen.



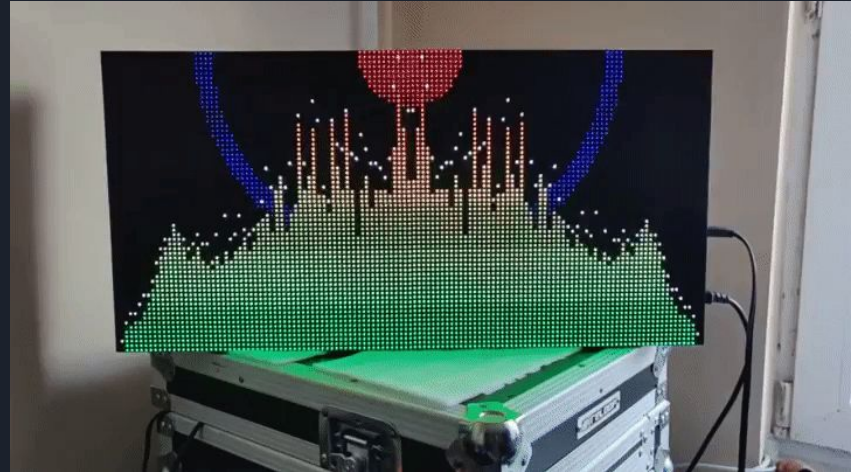
Future Improvements and Innovations

Hardware/physical improvements

- Board Size and LED Matrix
- Exterior Casing
- Aesthetics

Software/internal improvements

- Have multiple matrices
- Matrixes can communicate with each other
- Online Database/Website Access



Group Learning Outcomes

Communication

- Communication and team work skills greatly improved
- Important to keep in touch with client

Problem Solving

- How to approach a problem as a team
- Combined ideas to brainstorm a solution

Sentiment

- Good group sentiment is important for producing quality work

