

Assemble Pittsburgh

Executive Summary

Community Partner:

Nina Marie Barbuto

Student Consulting Team:

Luke Arney

Andrew Butler

Simran Virdi

Background

Assemble Pittsburgh is a non-profit organization dedicated to helping individuals grow in STEAM (Science, Technology, Engineering, Art, and Math) fields by hosting many programs for all ages. Located in the Garfield neighborhood of Pittsburgh they aim to serve the local community.

Assemble Pittsburgh is a relatively small organization with 18 employees on staff and 15 board members. Their physical space can host up to 20-30 participants per event. However, due to the nature of their afterschool program and miscellaneous events, those participants can be a different set every day. Their revenue consists largely of restricted gifts, which are donations that can only be used for a specific purpose.

Project Description

Project Opportunity

Assemble would like to document student work so that teachers can look back on it before another lesson to see where the student currently stands, what they enjoy, and previous events they have attended. Documenting a student's work over time can help the Assemble's teachers and volunteers understand how a student learns and how they are benefitting a student. The data can also be used to show students how much they have learned and show parents how Assemble is helping their children. Having a platform to keep track of individual student data can help Assemble's teachers and volunteers create a more tailored experience for their students.

Project Vision

Our team's goal is to use ClassDojo, an online application, for Assemble in which parents and students can log in and view a student's progress and where teachers can upload a student's work. ClassDojo would solve the problem of tracking a student's work at Assemble. By using a platform where teachers upload what a student has done that day/week and allowing parents to view their children's growth, we'd like to help Assemble in showcasing what students do at Assemble. This would also allow teachers to keep track of how their students are progressing, which would aid them in developing future lesson plans and activities.

Project Outcomes

People Outcomes

1. Finalized the all staff training schedule
2. Conducted staff training with the entire Assemble Staff where demo videos were showcased questions answered
3. Successfully completed three teacher training sessions on April 4th, 11th, & 18th for the ClassDojo desktop and phone app

Process Outcomes

1. Determined that the project would focus on documenting and showcasing students' work for parents, teachers, and students
2. Shared personal ClassDojo teacher, student, and parent accounts with Nina. Then we shared the demo videos and answered initial questions
3. Updated and finalized the documentation with Nina based on training sessions and general feedback

Technology Outcomes

1. Determined ClassDojo would be the best solution for Assemble Pittsburgh to organize, store, and share students' progress and projects
2. Created ClassDojo accounts for Assemble and created different classes for all the afterschool programs

Project Deliverables

1. ClassDojo Documentation
 - a. Written and video instructions for teachers, parents, and students
2. ClassDojo Master Account
 - a. An Assemble ClassDojo account with all of their classes created with students inputted

Recommendations

- Assemble Pittsburgh to continue training its staff on how to use the ClassDojo desktop and app
- Assemble to deploy the solution during the fall and explain the platform to parents and students in person.
- Assemble Pittsburgh to designate a teacher or staff member to be the go-to ClassDojo representative

Student Consulting Team

Luke Arney is a 3rd year in Information Systems with a minor in Human-Computer Interaction. Luke was the Client Relationship Manager for the team. He will be interning at Meta this summer.

Andrew Butler is a 4th year in Information System with a minor in Business Administration. Andrew was responsible for Quality Assurance and Client Transition for the team. He will be working as an officer in the United States Navy upon graduation

Simran Viridi is a 3rd year in Information Systems with a minor in Business Administration. Simran was the Project Manager for the team. She will be interning at Amazon this summer.