

Interactive Prototype 2

Final Report

Team: Trackboard

Team Members:

Muhammad Bilal: muhammad.bilal@stonybrook.edu

Haseung Lee: haseung.lee@stonybrook.edu

Daekyung Kim: daekyung.kim@stonybrook.edu

Table of Contents

Representative Screenshots	3
Changes since Interactive Prototype 1	9
Quality Arguments	9
Appendix	10

Representative Screenshots

Rule title and details can be clicked and edited directly on the table. Any changes will be automatically saved.

POSTER RULES

**Please maintain the poster rules for your students.*



Rule Title	Rule Detail	Sort	Remove
SUNY Korea Logo	Must have SUNY Korea logo in the poster. Unedited and Upright. (A4-3cm high, A3-4cm high)	↑↓	Remove
Appropriate Poster	The content of the poster must not include anything inappropriate.	↑↓	Remove
Poster Size	Poster dimensions must not be larger than A3	↑↓	Remove
Location Requests	Must list number of posters, the locations, and duration of posting.	↑↓	Remove
RULE TITLE	RULE DETAIL	↑↓	Remove

< Figure 1.1 - Staff - Poster Rules Page >

Each drop down menu has a “Add new” and “Delete which will load a modal or a prompt.

BULLETIN BOARDS

*Navigate through the posters to check for details. You may add new building location, floor, and locations of bulletin boards.

< Figure 1.2 - Staff - Bulletin Boards Page >

POSTER REQUESTS

*Please review the posters requested by the students.

Club	Student Name	Email	Request Date	Status	View
Cheeky Chess Club	Haseung Lee	ccc@gmail.com	6/15/2020	Pending	View
Suny Korea	Haseung Lee	haseung.lee@stonybrook.edu	6/15/2020	Pending	View

< Figure 1.3.1 - Staff - View Applications Page >

Poster Details

Requested Locations

Approval

Go Back to Requests Page

POSTER DETAILS

Club	Suny Korea
Purpose	For the annual club party.
Student Name	Haseung Lee
Email	haseung.lee@stonybrook.edu
Poster Duration	2020-06-17 - 2020-07-30
Paper Size	A3
Total Number of Locations	3

Next

< Figure 1.4.1 - Staff - View Applications Page - Part 1 >

Clicking on “View” will bring up a modal that displays the current state of the requested bulletin board.

Poster Details

Requested Locations

Approval

Go Back to Requests Page

REQUESTED LOCATIONS

*Please check each bulletin board for available capacity

Campus	Building	Floor	Bulletin Board	View
Campus	Building A	Floor 2	Board 2	<div>View</div>
Campus	Building B	Floor 2	Board 2	<div>View</div>
Campus	Building C	Floor 3	Board 3	<div>View</div>

Next

< Figure 1.4.2 - Staff - Reviewing Applications Page - Part 2 >

X
Poster Details
Requested Locations
Approval
Go Back to Requests Page

APPROVAL STAGE

Requirements Met

*Please check all the boxes that passed the requirements

- ☒ **SUNY Korea Logo:** Must have SUNY Korea logo in the poster. Unedited and Upright. (A4-3cm high, A3-4cm high)
- ☒ **Appropriate Poster:** The content of the poster must not include anything inappropriate.
- ☒ **Poster Size:** Poster dimensions must not be larger than A3
- ☒ **Location Requests:** Must list number of posters, the locations, and duration of posting.
- ☒ **RULE TITLE:** RULE DETAIL

Message

*Please send a message to the student for a next instruction with details.

Come pick up your posters at Student Service Office anytime before your post date.

☒ Reject
☒ Approve

Send

< Figure 1.4.3 - Staff - Reviewing Applications Page - Part 3 >

POSTER APPLICATION

* Please check all the requirements of the poster before submitting the application. Poster rules can be at [Poster Rules](#) in the sidebar.

Name

Organisation

Email

What is the purpose of the poster?

e.g. To recruit new members

Select Poster Size:

☐ A3
 ☐ A4
 ☐ Other:

< Figure 2.1.1 - Student - Apply Page - Top Half >

While applying, the applicant can add as many locations as he or she desires.

Select Poster Size:

☐ A3
 ☐ A4
 ☐ Other:

Post Date: mm/dd/yyyy

Take Down Date: mm/dd/yyyy

Select Poster Locations:

Campus	Building A	Floor 2	Board 2	<input style="background-color: #555; color: white; padding: 5px 10px; border: none;" type="button" value="Delete"/>
Campus	Building B	Floor 2	Board 2	<input style="background-color: #555; color: white; padding: 5px 10px; border: none;" type="button" value="Delete"/>
Campus	Building C	Floor 3	Board 3	<input style="background-color: #555; color: white; padding: 5px 10px; border: none;" type="button" value="Delete"/>

Do you have any special location request?

e.g. C202 Door when the event is happening

< Figure 2.1.2 - Student - Apply Page - Bottom Half >

POSTER HISTORY

Applied Date	Comment	Application Status	View
6/15/2020	The poster is missing the university logo.	Rejected	View
6/15/2020		Pending	View
6/15/2020	Come pick up your posters at the Student Service Office anytime before your post date.	Approved	View

< Figure 2.2 - Student - Application History Page >

Changes Since Interactive Prototype 1

There are three main areas of improvement between IP-1 and IP-2: data storage, UI, and UX. For data storage, we were able to change almost all of the data to be stored on firebase. There were some data where we need to figure out a bit more kinks before it's deployable without bugs. For UI, all of the basic things such as replacing lorem ipsum blurbs with proper description was properly updated. We also updated a lot of css files. There weren't any major template changes, but an update in color choice, on-hover, margins/padding styles really added a lot to creating an interface that felt responsive. For UX, one of the biggest changes was merging the "in progress" and "application history" into one page. Other changes included rearranging the buttons in the sidebar and deciding on header menu buttons.

Some changes that we are in the middle of implementing, but have not deployed yet include a unified utils script, the full implementation of boards, and assigning admins to an establishment. This is indeed a key part of the website and we have every intention of completing these portions, but it simply takes a lot of time to create. Thus, at the time of the IP-2 submission it will not be complete. Note, none of the three are primary tasks. See Appendix to view what changes will result from implementing a utils script, boards functions, and admin assignment functions.

Quality Arguments

The current poster management system is managed all offline. From getting authorized to checking for outdated posters, a staff member manually checks for everything. After interviewing with all parties involved, it was evident that an online platform will be incredibly beneficial in every aspect of the process.

From the various paper prototypes that we created, we proceed with the sidebar prototype. We predicted that the sidebar template would best suit the website because as we add more functionality to the website, it would be easiest to adjust. This has been proven to be true as we had to already readjust the buttons on the side bar a couple of times.

The board and poster feature on our website is intentionally made to be slightly different on different pages. At first it may seem like it lacks consistency, but on each page the context is very different. If it's on the homepage, viewers are not necessarily interested in seeing where the posters are located. If it's within the student authorization application page, the students are not interested in seeing boards for locations they are not applying to. If the staff is viewing an application, the staff is interested in seeing the minor details of the boards the students are applying for. If it's in the general posters page, the staff wants to see the overall tree of the location and the current state of all of the boards.

Overall we wanted to achieve a streamlined process of students applying for authorization to post posters and staff members managing these posters. After doing interviews with these people, it is clear that this goal has been achieved. Even if other functionalities get added it will not ruin the core flow of the website and the problems it aims to solve.

Appendix

Unified Utils Script will support the following components.

- 1) Dropdown menus for “establishments,” “buildings,” “floors,” and “locations” will have the same function supporting the creation of these dropdown menus.
- 2) Retrieving data for bulletin boards and posters have a complicated line of api calls. Having a utils script will create consistency between the pages where board and poster data is called.
- 3) Checks for user, feature, permission data. (Most of our pages and components require specific user roles or permissions)

A full implementation boards and posters component will...

- 1) Load the poster data from the database (API has been created)
- 2) CRUD board with dimensions.
 - a) Still trying to figure out what to do with Update since bulletin boards dimensions in real life don't actually change
 - b) Still trying to figure out what to do on update to a smaller size or delete. What happens to the posters on the boards? Who should be allowed to delete the boards?
- 3) Create with canvas or css xyz-index the virtual board that's supposed to be used as a reference to what the real board should look like.
- 4) Allow staff to dictate where a poster should be placed.

A full implementation of the admin assignment component will...

- 1) Allow admins to create staff accounts so multiple people can manage poster authorization for one establishment.
- 2) Ban/block certain users for creating requests.