

UB CLUBS MANAGEMENT

HI-FI PROTOTYPE - SPP7

ADA DESIGNS

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PROBLEM/SOLUTION OVERVIEW

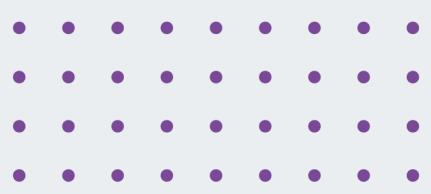
Students currently face a challenge in accessing club-related information, and the reliance on a paper-based application process creates further inconvenience by making the process time-consuming. Our goal is to provide an online platform that caters to online applications, allows public viewing, and enables administrators to keep track easily.

VALUE PROPOSITION

Swift and Easy Processing!



HEURISTIC EVALUATION RESULTS



Heuristic	#Viol. Sev 0	#Viol. Sev 1	#Viol. Sev 2	#Viol. Sev 3	#Viol. Sev 4	Total Violations
Match the Real World						
Consistency & Standards		1				1
Help & Documentation						
User Control & Freedom					1	1
Visibility of System Status						
Flexibility & Efficiency						
Error Prevention						
Recognition Not Recall				1		1
Error Reporting, Diagnosis & Recovery						
Aesthetic & Minimalistic Design			1			1
Total Violations by Severity		1	1	1	1	4

SEVERITY 3: RECOGNITION NOT RECALL

When looking at club listing no initial description about the clubs were present

A short introduction about the club was included in the club listing page

SEVERITY 4: USER CONTROL & FREEDOM

In the initial designs, the user was not given the option to edit/delete a post that was created

This feature was implemented to give the user control over their entries

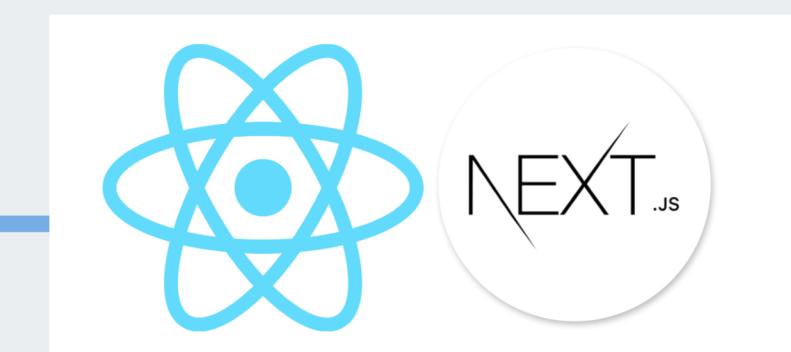
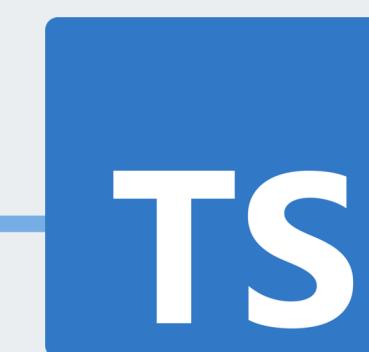
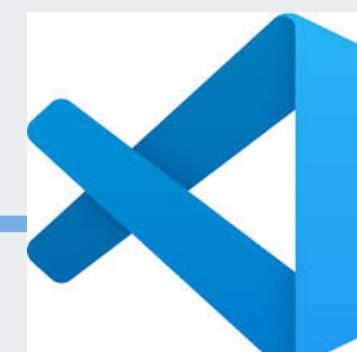
REVISED DESIGN:

- ADDITIONAL DETAILS ADDED UNDER EACH CLUB LISTING
- ABILITY TO EDIT/DELETE POSTS ONCE CREATED
- MORE COHESIVE DESIGN ACROSS APPLICATION
- MINOR DESIGN CHANGES LIKE PADDING AND INFORMATION LOCATION



TOOLS USED:

- **VS Code IDE**: Provided IntelliSense autocomplete for TypeScript types and React components (Reduce development time and syntax errors)
- **TypeScript Programming Language**: Provided strong type checking to catch errors at compile-time (Preventing bugs before the testing phase)
- **Next.js (React Framework)**: Provided file-based routing and built-in TypeScript support, with App Router architecture for organizing role-based pages (Eliminating manual configuration and reducing development time).
- **Tailwind CSS**: Enabled rapid UI development through utility-first classes and built-in responsive modifiers (Reducing custom CSS and lookup time with autocomplete support).
- **LocalStorage API**: Simulated a backend database by persisting user data and maintaining login state across sessions (Enabling full prototype functionality without building an actual server).



IMPLEMENTED FEATURES:

- CREATE A POST
- VIEW UB CLUBS AVAILABLE
- APPLY ONLINE TO JOIN A CLUB
- ADMIN TRACKING/ REPORTS



UNIMPLEMENTED FEATURES:

- APPLY TO CREATE A NEW CLUB
- REPORTING FEATURE FOR ADMIN



HARDCODED DATA:

- CLUB INFORMATION
- UB AVAILABLE CLUBS
- POSTS MADE BY CLUB MEMBERS
- CLUB REQUESTS VIEWABLE BY ADMIN
- ONE ACCOUNT FOR CLUB MEMBERS (STUDENT)
- ONE ACCOUNT FOR DEAN OF STUDENT AFFAIRS (ADMIN)



SUMMARY

- From the Heuristic Evaluation, the ones with the highest severity were user control & freedom and recognition, not recall.
- The three main tasks (Join a Club, Create a Post, and Admin Tracking) were successfully implemented.
- The UBCMS application is a web application facilitating the swift and easy processing of all things regarding UB clubs.





The background features a minimalist design with abstract geometric shapes. It consists of several overlapping triangles and rectangles in shades of blue and purple. A large, light blue triangle is positioned in the upper right quadrant, while a smaller, dark purple triangle is in the upper left. In the lower left, there's a large, dark purple triangle pointing upwards, and in the lower right, a large, dark purple triangle pointing downwards. Between these main shapes are several smaller, lighter blue and purple triangles and rectangles, creating a sense of depth and movement.

DEMO