

Final Prototype
Greenvale Community School Website
Barr Iserloth, Nicki Polyakov, and Carolyn Ryan

We implemented the first and second iteration of a prototype for the Greenvale Community School Website. The prototype we mocked up has 4 main pages: home, about, volunteer, and events. We focused throughout design on making the website's navigation intuitive and interactions user-friendly. Here we present the final iteration on the prototype, the requirements and how we addressed them, key changes we made from feedback we received, and information on how to run/view the prototype.

T-Prototype

We chose to implement a T-Prototype, with our focus mainly centering around one of the most important use cases for our site: signing up for events. Thus, most of our prototype is a shallow implementation of what could exist. This is clear in our About, Homepage and Volunteer sections, where minimal functionality exists. However, we dove much more deeply into our design for event registration.

Since we felt that an informational section (i.e. our About pages) and the homepage were fairly self-explanatory and did not require much depth in our mockup, we turned our focus towards our Volunteer and Events sections. We figured that signing up to be a volunteer would be a similar process to registering for an event, with possibly less complexities, so we decided that if we were going to focus more deeply on just one of those aspects (since both might be redundant for the sake of a design prototype), we should focus on event registration. Thus, our prototype contains the workflow a user could expect to follow in order to find an event. Using the calendar, users can select a day, see a full list of events for that day, and then select an event to begin the process of signing up.

Key Requirements Addressed

Functional Requirement	How we fulfilled it
The system should allow staff at Greenvale to easily update their website to reflect their most recent activities, priorities, or most important information	This requirement is a little more on the implementation side of things, with regards to how organized and thoughtful the web design is done to make it easy to make changes. What we did to address this was include a mockup for scraping facebook so that anything they post there will be reflected on the website. We also would like the event calendar to pull from their current google calendar, which would make maintaining the site

	easier while also giving the desired functionality.
The system should contain an event calendar and information on specific events	We have a page dedicated to events. Each event is listed and there is room for an event description to provide that information. We also have this as a subpage of About called Upcoming events which contains the same event details desired.
The system should have information for individuals looking to volunteer at Greenvale, such as how to register, in what capacities they need volunteers, how volunteers can get involved in their organization, etc.	We have a page dedicated to volunteer information. The page has information on application, who can apply, and general involvement details.
The system should have a live feed feature for event updates	The homepage has this functionality, allowing the website to pull from their facebook which will provide a live feed for event updates.
The system should allow for remote registration of events	The events page allows for event registration online.
<p>The system should contain or support the following information:</p> <ul style="list-style-type: none"> • Organization history • Coordinator information • Contact information • Upcoming events • Links to facebook page • List of community partners • Electronic flyers • Annual report • Orientation Video • Rules and Expectations 	All of this information is included as subpages of our about category.

Nonfunctional Requirement	How we fulfilled it
The system must be remotely accessible on many different devices	We chose to implement our mockup as a website, which can be accessed from desktop, tablet, or phone. We didn't mockup what the website could look like from a tablet or phone, so this would have to be something that is thought about during implementation if deemed necessary.
The system must allow parents, students, and community partners access to information they want	We included all information described to us somewhere on the website. While we cannot ensure this is every piece of info someone might

	want, we cover most of our bases. The navigation layout also could allow for some changes to be made later on as part of iteration on this design.
The system must be available in both Spanish and English	We have a prominent “En Espanol” button on all pages that would translate the current page to Spanish. If the page is already being viewed in Spanish, the button changes to “In English.”
The system must be user friendly	We tried to organize information in an intuitive way. We tested this organization and navigation layout in the usability tests and received positive feedback on it.
The system must provide understandable, parseable, and easily found information on the school and its programs	Similarly to above, we organized in an intuitive way to try to increase usability. We tested our fulfillment of this in usability testing and it went fairly well, where we found issues of understandability, we updated our site to increase general usage.
The event calendar must be prominent and legible	The event calendar is found in its own section of our website, a link to which is always in the header. The days are clearly clickable with buttons enumerating the number of events on that day. The events themselves are legible and titles are big and all events of every day are visible through scrolling on days.
The system must be maintainable by those that are not the original designers	This might fall more to implementation, but we kept it in mind by using design conventions and popular/common designs where possible.
The system must be secure in handling of registration information	This also falls more to implementation, but is important to the system so should be represented in key requirements even though we were unable to address it in our mockup.

Summary of Key Changes

We received mostly positive feedback from our usability tests, but we still had to make several significant changes to our prototype. First of all, we edited the homepage to contain more information. Our homepage now contains our main top-level categories (about, volunteer, and events). When you scroll down, you can still access the newsfeed that Greenvale wanted. Another big change we made was adding a filter to the event registration page. Users can now see events through different filters - like age group and whether the event is still open for registration. In addition, we modified our side bar in the events page to be more organized. For example, now all the events that

are full are shown towards the bottom of the sidebar, instead of scattered throughout it. The last major change we made based on feedback from usability testing was adding a footer to our webpage. The footer is shown in only one section of our homepage, but we intend to have it on every page on the site. This footer gives users the ability to access important information (like contact information or a link to Greenvale's facebook page) regardless of where they are in the website.

In addition to making changes based on feedback from usability tests, we also made a key change based on the feedback we received from Eric. Eric pointed out that the top-level categories were visually separated from their contained pages, and as a result it was not clear that the lower-level pages were contained within the top-level categories. To account for this, we added breadcrumbs above the menu bar for the lower-level pages. For example, the "Current Openings" section within the Volunteer category has the breadcrumb "Home > Volunteer > Current Openings." We thought this would not only make it more clear that these categories were lower-level, but also make the path that was used to get to these categories more clear. We also made it somewhat more clear which subsection the user was in through the names of the buttons on the right hand side. Now, when a user clicks volunteer they are brought to a page that has the header: Volunteer, so this should reduce ambiguities and make navigation easier.

Info to Run

We used Balsamiq to complete our final iteration on our prototype. All pages are visible through clicks other than one page under home, titled "With Dropdown" as this is what images would look like when the user hovers over the pictures on the homepage. We didn't fill in text in all areas, as it was horizontal for the most part. Our events we implemented vertically so that process is more easily followed through to the end.