

Site Goals

The KDCBOK website will be an online archive of Kings Dominion Clown Band history and memorabilia. The site will include images of Clown Band performances, life backstage, and many Clown Band extracurricular activities. In addition to images, the site will provide a concise history of the Clown Band, interviews with Cbers about specific events in CB history, a roster of each year's CB, a "Where are They Now" section and a KDCB timeline.

The purpose of the site is primarily to share digitized CB media, much of which is currently stored in rapidly obsolescing media. In addition, the site proposes to serve as a virtual meeting space for past members of the KDCB to reconnect with each other. Finally, the site will be extensible enough to perhaps one day host the elusive KDCB videos, should they ever be converted to a digital format. The target audience is former KDCB members, their friends and family.

Functional Requirements

1. The site should have a concise history of the Kings Dominion Clown Band.
2. The site should include pictures from every CB year.
3. Pictures should be organized into photo galleries based on each year, with thumbnail pictures to provide a preview of each gallery.
4. There should be an interactive timeline where a mouse rollover produces a small image related to the date or event.
5. There should be a message board or some way to post comments on pictures.
6. There should be a contact list where KDCB members can enter their contact information (note: does this need some sort of security? Is there a way to vet entries before posting them to prevent non-KDCB entries and spam?)
7. The "Where Are They Now" section should have a short bio on the member, show a "before" picture (during the CB days) and a "now" picture (provided by the member).
8. The site should include a roster of each member during each year. The roster should include thumbnail pictures of each member (if possible).

Future Functional Requirements for the next phase include:

1. The pictures should include meta-data that would allow searching for the people in each picture (e.g. search for Chris King, here are the thumbnails of all the pictures Chris is in). This will require some sort of search engine.
2. The site should be able to host video.

Technical Requirements

Target browsers: The website should work with a wide variety of recent and modern, standards-compliant browsers (Firefox, Safari, IE, Opera, Netscape). The assumption is that anyone in the target audience will have at least 5.0 browsers. Handheld and mobile devices are not part of the target. The website should work the same regardless of Windows or Mac operating system.

Recent Browsers: Win/InternetExplore 5, Win/InternetExplore 5.5, Win/Netscape 6, Win/Mozilla1.x, Win/Opera6, Mac/Netscape6, Mac/Mozilla1.x, Mac/Opera5 etc

Modern browsers: Win/InternetExplore 6, Win/ Netscape7, Win/Mozilla1.5, Win/Firebird0.7, Win/Opera7, Mac/InternetExplore5.2, Mac/Safari1, Mac/ Netscape7, Mac/Mozilla1.5, Mac/Opera6 etc

Development Standards: The website will be build using XHTML 1.0 and CSS 2.0 standards. Scripting should not be necessary for Phase 1 development. Future phases may require more technical solutions and scripting standards will be addressed in the Technical Requirements of those Phases.

Full CSS support: the browser is served all CSS rules and should display the layout in a reasonably accurate manor. The intent is to provide some support to older browsers, so very basic CSS code will be utilized and complex CSS positioning will be avoided.

Servers and Databases: The site will be build in Phase 1 using XHTML and CSS. The third-party hosting service (GoDaddy.com) is running on a Windows server. No database should be necessary. The designer reserves the right to upgrade to a database-served website in future phases, based on time and effort considerations.

Bandwidth requirements: These include both the target internet connection speed for the audience and the limitations of the hosting arrangement. Currently, there is a 1,000 GB/month limit to data transfer. That should be more than enough for a image-only website. In later phases, as digitized video is posted, the bandwidth limitations will need to be monitored carefully. There is also a 100 GB storage limit – again, more than enough for images, but video could quickly eat up that capacity.

The assumption is that the target audience of the website will have broadband access to the site, so optimization for dial-up is a secondary consideration. Some basic dial-up-friendly techniques, such as thumbnail pictures of larger images, will be employed. Other dial-up optimized techniques should be examined as the project moves forward.