

# QDF Article Index

This is a collection of articles written about dynamically generating web interfaces.

1. **Article 1: QDF Interfaces** - This article discusses dynamically generating interfaces from the Query Description Format document. It employs XML, XSL, CSS, Javascript, and HTML to accomplish this. The main technique used is the *DIV Swapping*. This is an easy route to make more 'interactive' interfaces. The article was written for both the [CHRONOS](http://www.chronos.org) (<http://www.chronos.org>) and [Gridisphere](http://www.gridisphere.org/gridisphere/gridisphere) (<http://www.gridisphere.org/gridisphere/gridisphere>) communities.
2. **Article 2: Dynamically-Generated Web Interfaces** - This article is basically a rehashing of the Article 1. It is an academic paper written for one of my classes. The only real addition is the results of a usability survey I conducted on the interfaces.
3. **Article 3: AJAX** - This article discusses the recent efforts at CHRONOS to develop highly interactive interface though the use of AJAX. The goal is again building interfaces from the Query Description Format document but the developed interfaces are superior to those developed in Article 1. I still make heavy use of XML, XSL, CSS, HTML, and Javascript. The biggest difference is that I use the XMLHttpRequest capabilities of modern browsers to update the interface asynchronously, thereby creating a more application like feel.