Styling:

* The Harvard FAS logo has been placed at the top of all pages.
* The Harvard FAS logo scales the size of the window.
* All tables of results are paginated to fit on a single page.
* The main navigation is mobile friendly and hides under a button when the mobile screen size is reached.

Search Functionality:

* The main navigation tabs display a list of available Departments, Instructors, and Meeting Times for the user to search.
* The main navigation contains a search box that allows the users to find a course title or description containing a keyword.
* A search box is located on the top right of all datatables to allow the user to filter the paginated results using a keyword.

XML Technology Implementation:

* XQuery has been used to pull a list name from the query string to categorize the following search items: Departments, Instructors, and Schedules.
* XSL Templates has been provided for each of the list types.
* The “encode-for-uri” function has been implemented on all of the applicable query strings.
* Bootstrap stylesheets have been imported to reduce the need for custom styles.
* The jquery library has been imported to allow datatable implementation.
* The xqueries are dynamic and allow for additions of department, instructor, or schedule.
* The query strings are dynamic and allow for additions to courses.

Main Navigation:

* Provides Users with Multiple Filters to begin the course search.
* Contains a search bar for custom searches.
* Converts to a mobile friendly menu.

The main navigation on the home page supplies users with a recognizable way of beginning their course search. The main tabs: Departments, Instructor, Term, and Schedule will display a paginated list of available selections. A search box has been placed next to the main tabs to allow users to search through the course titles and descriptions for a specific keyword. The main navigation is also mobile friendly. Once the view scales to a mobile size, the navigation will collapse and only display after the mobile button is clicked.

Department, Instructor, Term, and Schedule Lists:

* Paginated to keep the long list of results ordered.
* Search box to allow users to filter the list.

The lists are displayed in jQuery “datatables” to keep the results ordered. The results are paginated so that users are not required to endlessly scroll down the page in order to find what they are looking for. The search box located at the top right of the lists allows the user to enter in terms that will filter the results of the list. Clicking on one of the list items will take the user to a page that displays the courses that match the selected department, instructor, or schedule. The “Terms” list is slightly different in function, because the courses are already filtered. Clicking on a list item here will take the user straight to the course detail page.

Course Page:

* Displays the results of the Department, Instructor, or Schedule selected by the user.
* Results are displayed in a datatable to paginate the results and allow further searching by the user.

This page displays the results of the filter selected by the user on the main page. These results are displayed in a jQuery “datatable” to paginate the results. Pagination allows the results to be broken up so that the user does not have to endlessly scroll through the results. The datatable also provides a search box that allows the user to filter the results using keywords.

Extraordinary Distinction:

* Bootstrap
* jQuery Datatables

Integrating the bootstrap framework into the site allows the site to respond to any device size. Bootstrap is also a very common framework so it would be very easy for a new developer to update the site. The jQuery datatable implementation provided an easy interface to paginate and search through the results.