**Basic Legal Citation: Search Bar**

**Word done**

* The search functionality has been defined in the controllers.js. The variable $scope.tags maintains a mapping of the html pages with the tags present on that page. The mapping would look like this:

2-100: <citation type="electronic">

2-200: <citation type="judicial">

2-300: <citation type="constitution">, <citation type="statute">, <abbreviation>

2-400: <citation type="regulation">, <citation type="report">, <citation type="adjudication">, <citation type="order">, <citation type="proclamation">, <citation type="attorney general">, <abbreviation>

2-500: <citation type="arbitration decision">

2-600: <citation type="court rule">

2-700: <citation type="book">, <abbreviation>

2-800: <citation type="journal">

2-900: <citation type="case document">

* When the user puts some text in the search bar and clicks on search button, a function (defined in controllers.js) is called which populates the result in a variable $scope.searchResults and redirects to a new page searchResult.html and the value of this variable is written out on the page.

**Future Work required**

* The mapping of pages to the tags defined in $scope.tags is hard-coded right now. Every time, some change has been made on the website, this variable would have to be changed.

So, to avoid this, a script can be written which parses all the html pages and populates this mapping. The client/author can run this script every time any change has been made on the website.

* The search currently looks for only the specific tag matching to the search text. It cannot handle various attributes/types of tags.

A routine should be written to intelligently segment the input search text and then search accordingly for relevant tags. For this, some work might be required on the definition of tags as well.

* Some natural language processing techniques should be implemented to understand the input search text also to handle the abbreviations. For example: the search should understand that Al. stands for Alabama.