Sutton Document Gallery 1.o Specs

# Business Requirements

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| BR Number | BR Description |
| BR 1.1 | The Sutton Document Gallery shall have a file browser for browsing through the Sutton documents and selecting Sutton documents to be displayed in an image gallery. |
| BR 1.2 | The Sutton Document Gallery shall display Sutton documents in an image gallery. |

# Software Functional Requirements

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| SRF Number | SFR Description |
| SFR 1.1 | The Sutton Document Gallery shall have a file browser that is displayed arbitrarily based on an input file with file directory information. The browser shall list Sutton documents in a file structure similar to how the files are saved on Windows. |
|  | * + 1. **Sutton Document File Browser**   **SFR 1.1 Technical Specification**  The Sutton Document file browser will be displayed in an unordered list. ColdFusion scripting will be used to parse through an xml file listing the file structure of the Sutton images on the web server. ColdFusion scripting has a built in xml parser, which should make this process fairly simple and fast. As we parse through the xml file, it will be possible to display each file name in the unordered list. |
| SFR 1.2 | The Sutton Document Gallery shall have a file browser listing the names of all the Sutton documents. The names shall be clickable and link the user to the selected Sutton document in an image gallery viewer. |
|  | **1.2.1 Selected Document in Document File Browser**  **SFR 1.2 Technical Specification**  The Document File browser will be displayed in an unordered list. The unordered list will be displayed in an iframe to provide the scrolling capabilities as seen in Picture 1.2.1. Each item in the list will have a document name, a document description if it has one, and a “View Document” button. The button will have a link that will send the user to the image gallery displaying the document item in the list. |
| SFR 1.3 | The Sutton Document Gallery shall have a “View Document” button. When the “View Document” button is clicked, it shall link the user to an image gallery viewer displaying the Sutton Document selected in the file browser. |
|  | **1.3.1 Location of “View Document” Button on Document File Browser**  **SFR 1.3 Technical Specification**  The “View Document” button will be implemented as an html link. It will just link the user to the Zoomify html page that displays the image of the document selected on the previous page. |
| SFR 1.4 | The Sutton Document Gallery shall display Sutton documents in an image viewer that shall allow the user to do the following operations to the image:   * Zoom –enlarge or reduce the size of the image * Pan – move the viewing screen position of the image * Reset – move the viewing screen back to the initial position of the image * Expand into Full Screen – enlarge the viewing area of the image so that it fills the user’s computer screen.   Displayed images shall have the same resolution as the original document scans. |
|  | **1.4.1 Zoomify Image Gallery**    **1.4.2 Zoomify Image Gallery Toolbar**  **SFR 1.4 Technical Specification**  The Zoomify application will be used to display the images in an image gallery. The Zoomify application takes images and converts them into a JavaScript file. The JavaScript file contains the image displayed in an image gallery. To display the image gallery on the ehistory website, the Zoomify JavaScript folder location, the Zoomify JavaScript file name, the Zoomify Assets folder, and the webpage displaying the JavaScript file will all need to be added to the web server. |