Pirex

Interaction Design Document (IDD) v1

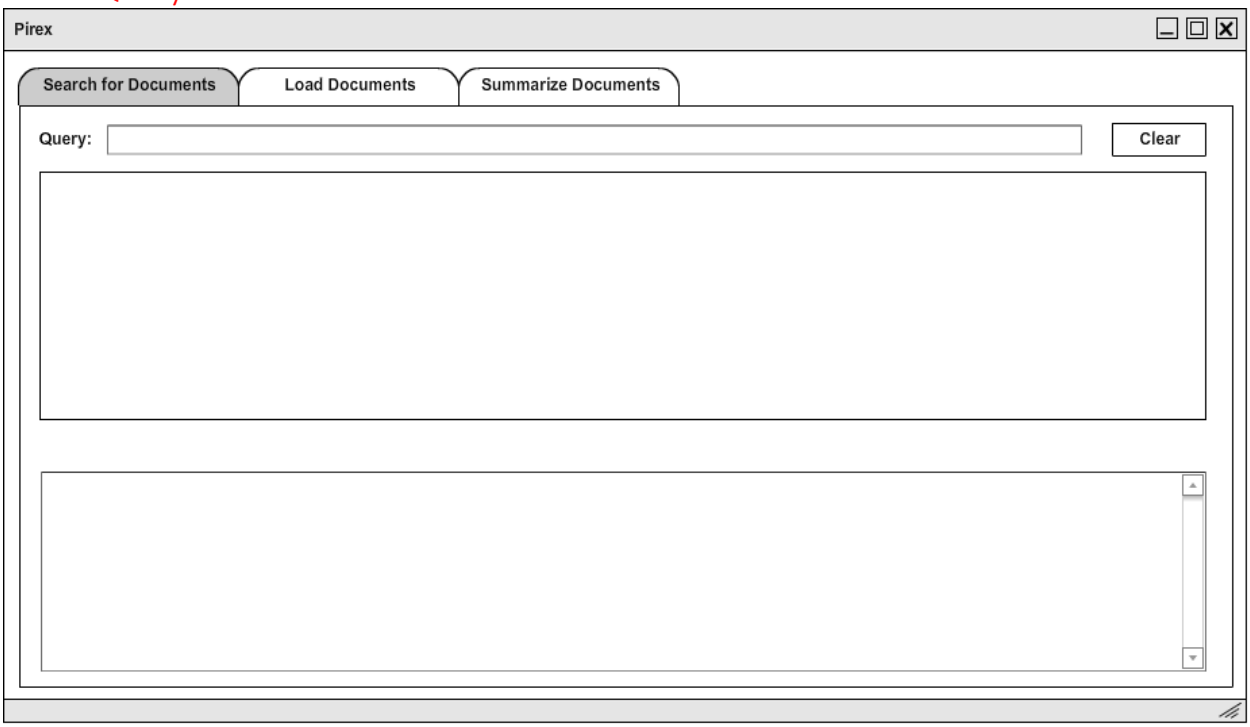
Introduction

Screen states are presented first as page layout diagrams, then these screen states are combined into a storyboard.

Screen layout diagrams use an MS Windows GUI style, but any style is acceptable.

Screen States

Blank Query State

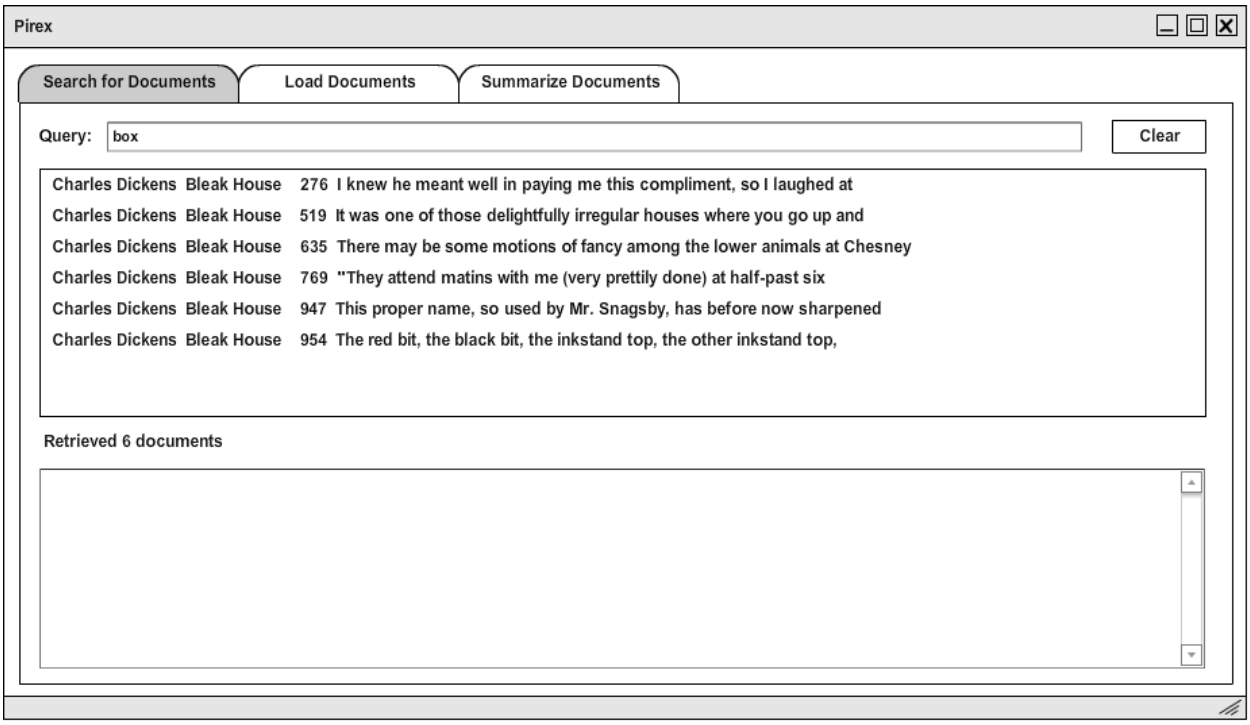


1. When the program starts up the data store (if any) must be loaded and the system must be ready to search.

2. Users must be able to type queries into the query text box.

2.1 Pressing return in the query text box must cause a search to occur, and the UI must switch to the Search Results State.

Search Results State



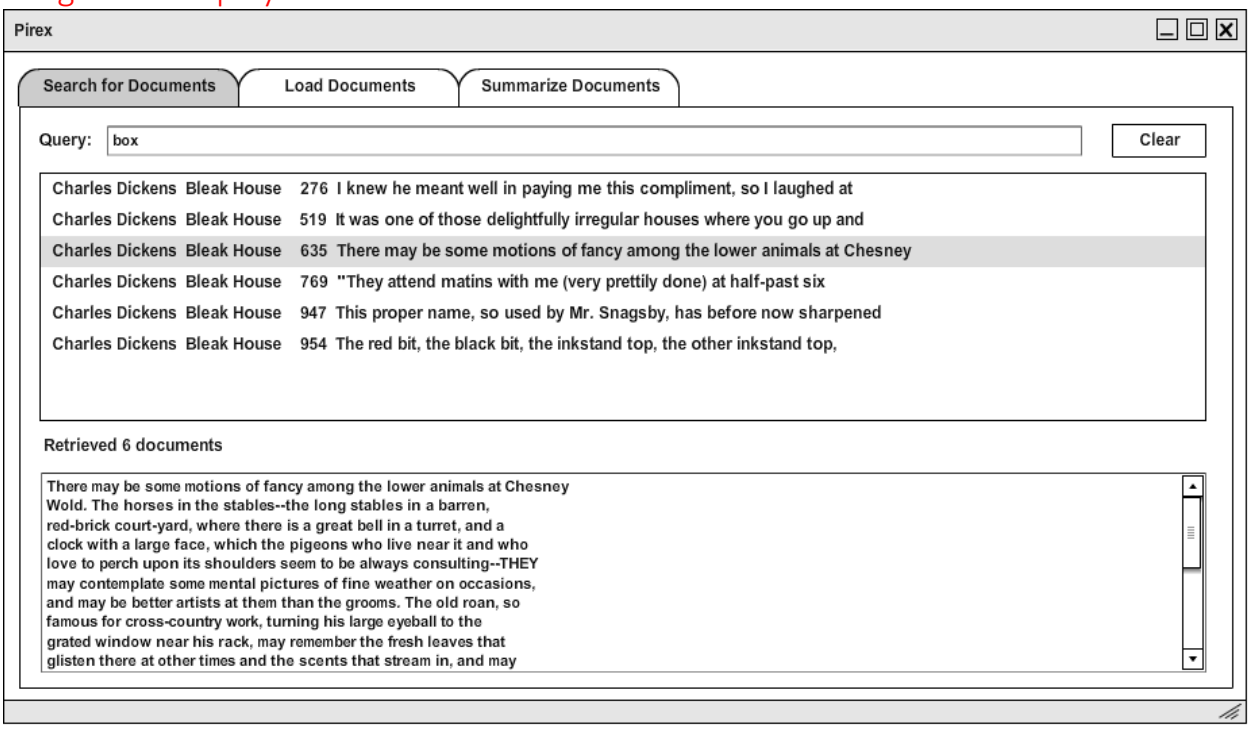
This diagram illustrates the result of searching with the query “box.” The result is six documents from *Bleak House* by Charles Dickens.

1. The top textbox must show the short form display.

1.1 A scroll bar must be added to the text box if necessary.

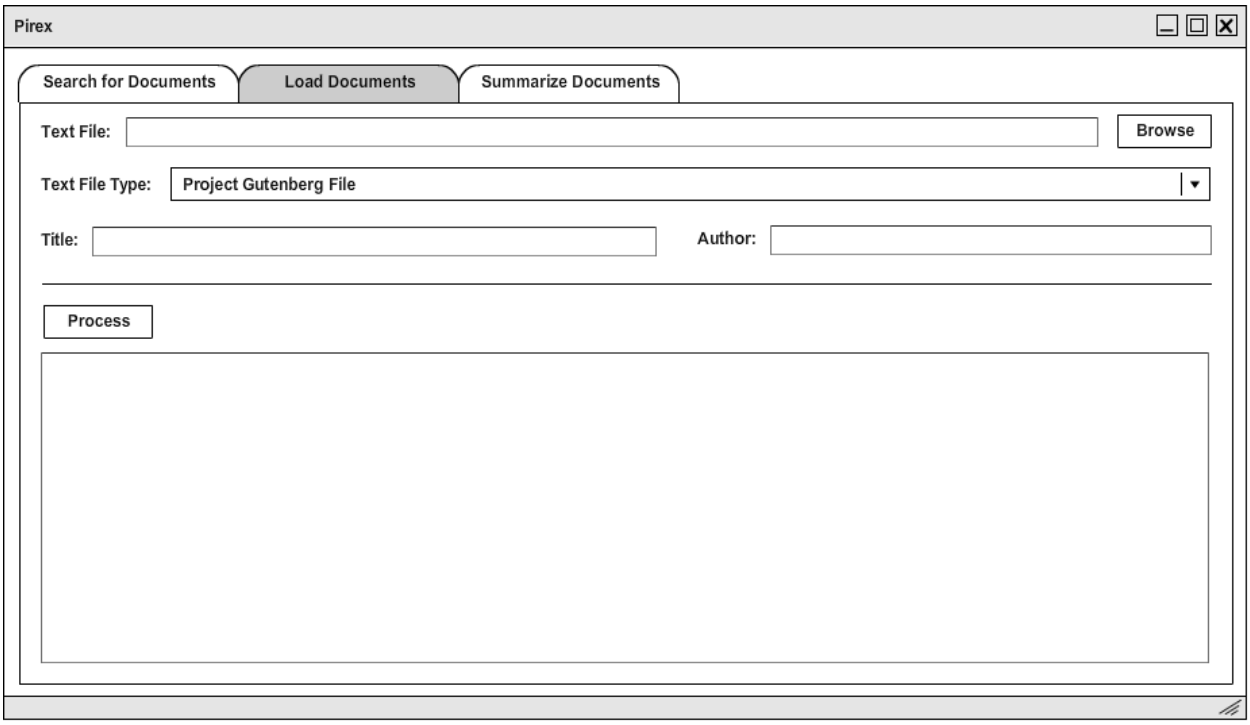
2. Selecting an item from the results display must cause the UI to switch to the Long Form Display state.

Long Form Display State



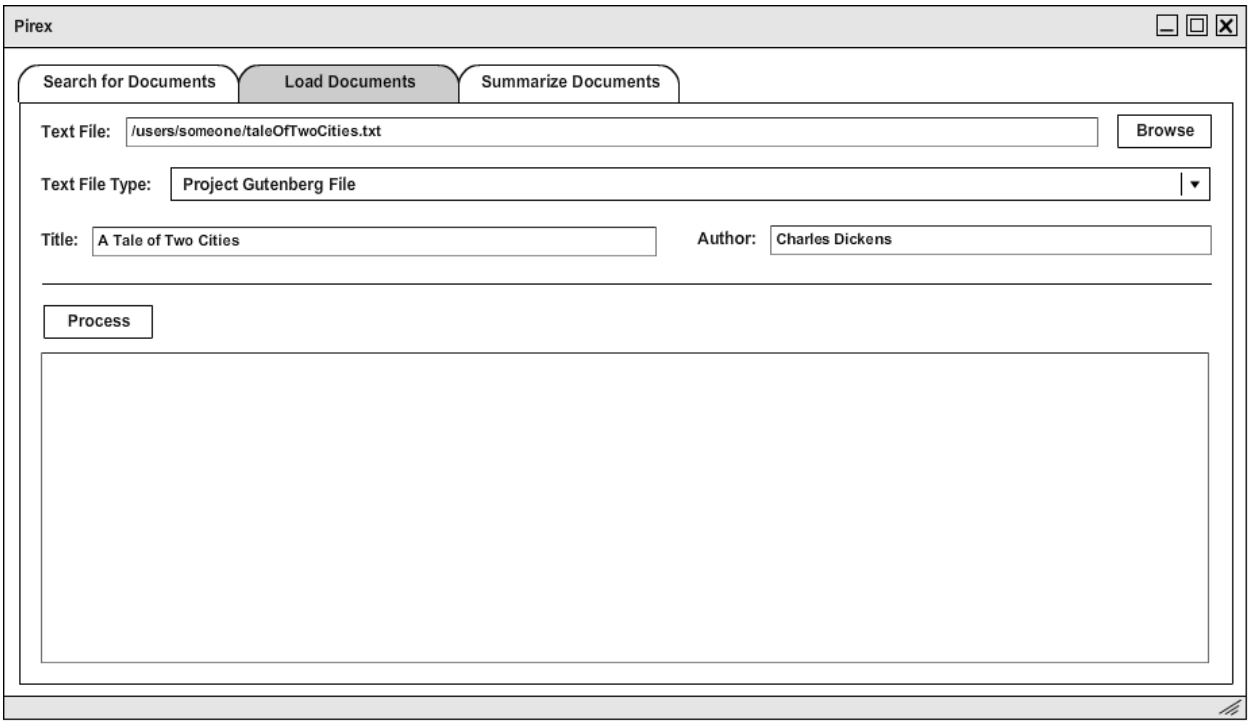
1. When a document in the short form display is chosen, the entire document must be shown in the bottom text box in the long form display.
2. Choosing another document must change the contents of the long from display to the selected document.

Blank Load State



1. The Process button must be disabled until the Text File text box is non-empty.
2. The Browse button must open a standard modal file chooser and switch the UI to the File Chooser state (not shown in these page layouts).
3. The File Chooser result must be put in the Text File box.
4. The Text File Type combo box must have Project Gutenberg File as its default and may have other values if other sorts of files can be processed.
5. When a file is specified in the Text File box, the UI must switch to the Load File Selected state.

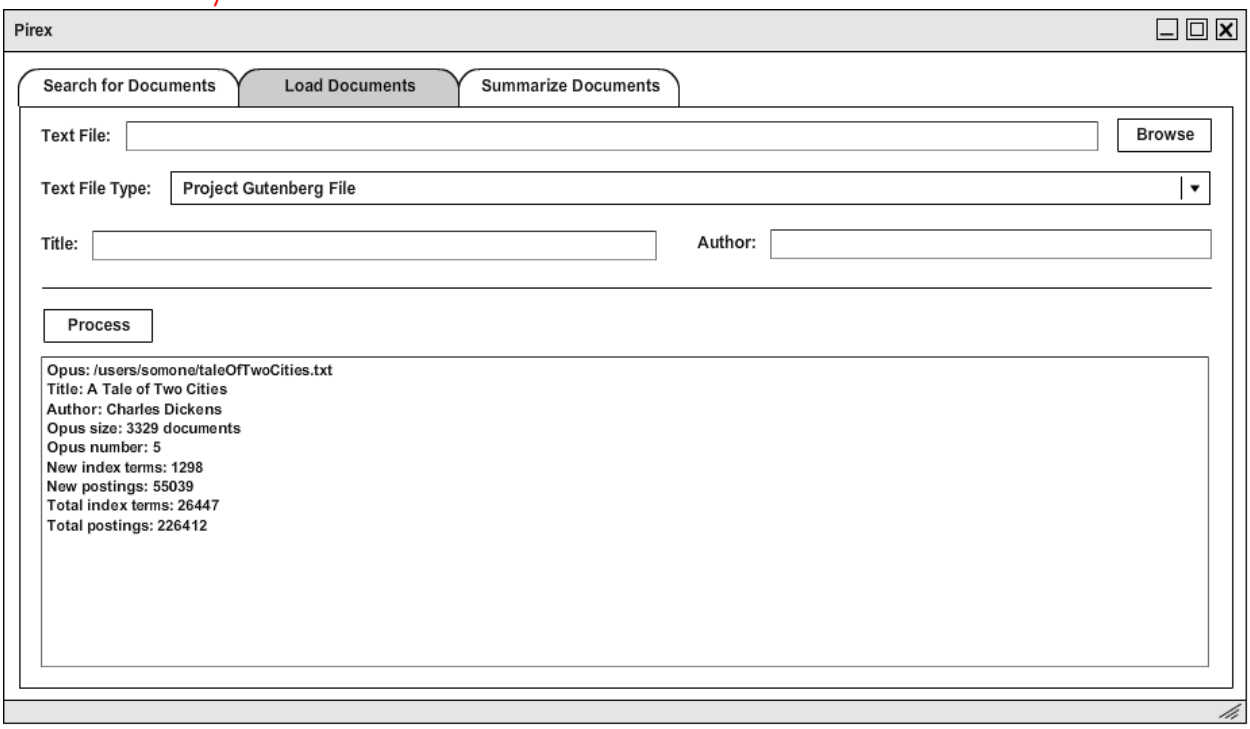
Load File Selected State



This diagram shows the example of choosing to load the Poject Gutenberg file for *A Tale of Two Cities* by Charles Dickens.

1. If a text file is specified and its file type is Project Gutenberg File, then the title and author must be extracted automatically and placed in the Title and Author text boxes.
2. The Title text box must be editable.
3. The Author text box must be editable.
4. The Process button must be enabled and the summary box at the bottom must be cleared.
5. When the Process button is pressed the file must be loaded and the UI must switch to the Load Summary state.

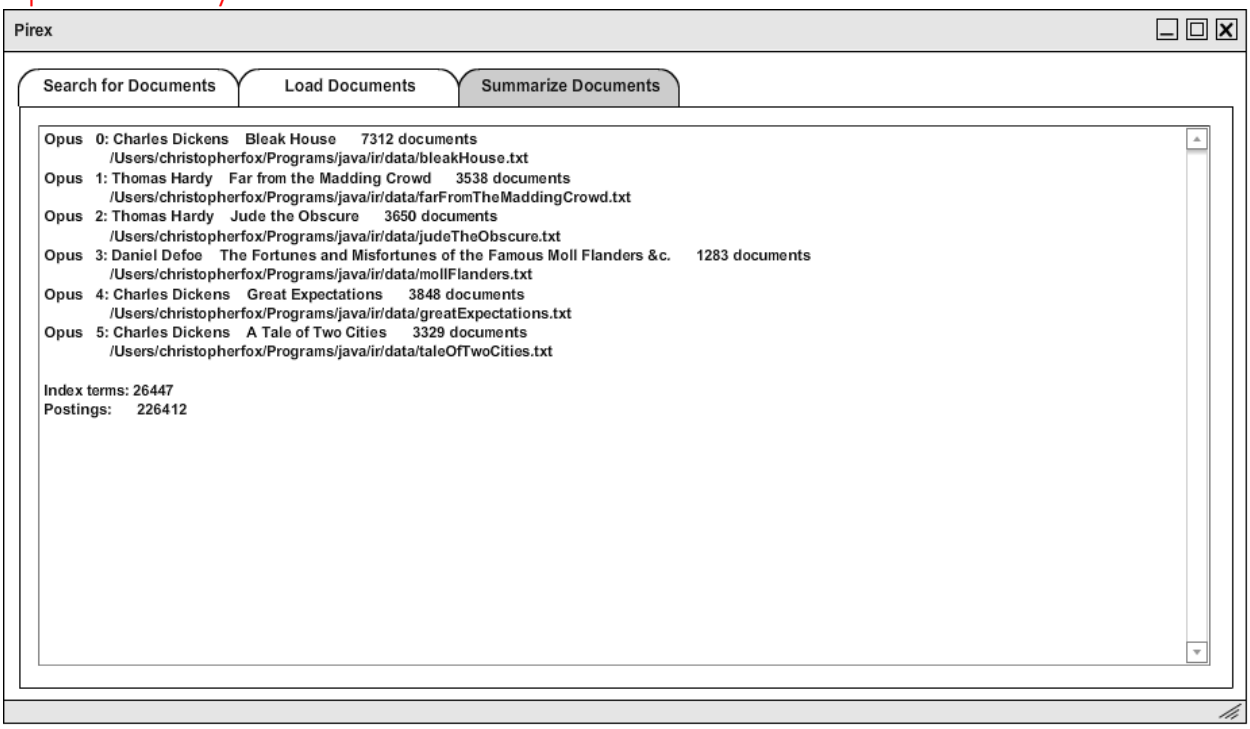
Load Summary State



This page summarizes the document loading process for the *A Tale of Two Cities*.

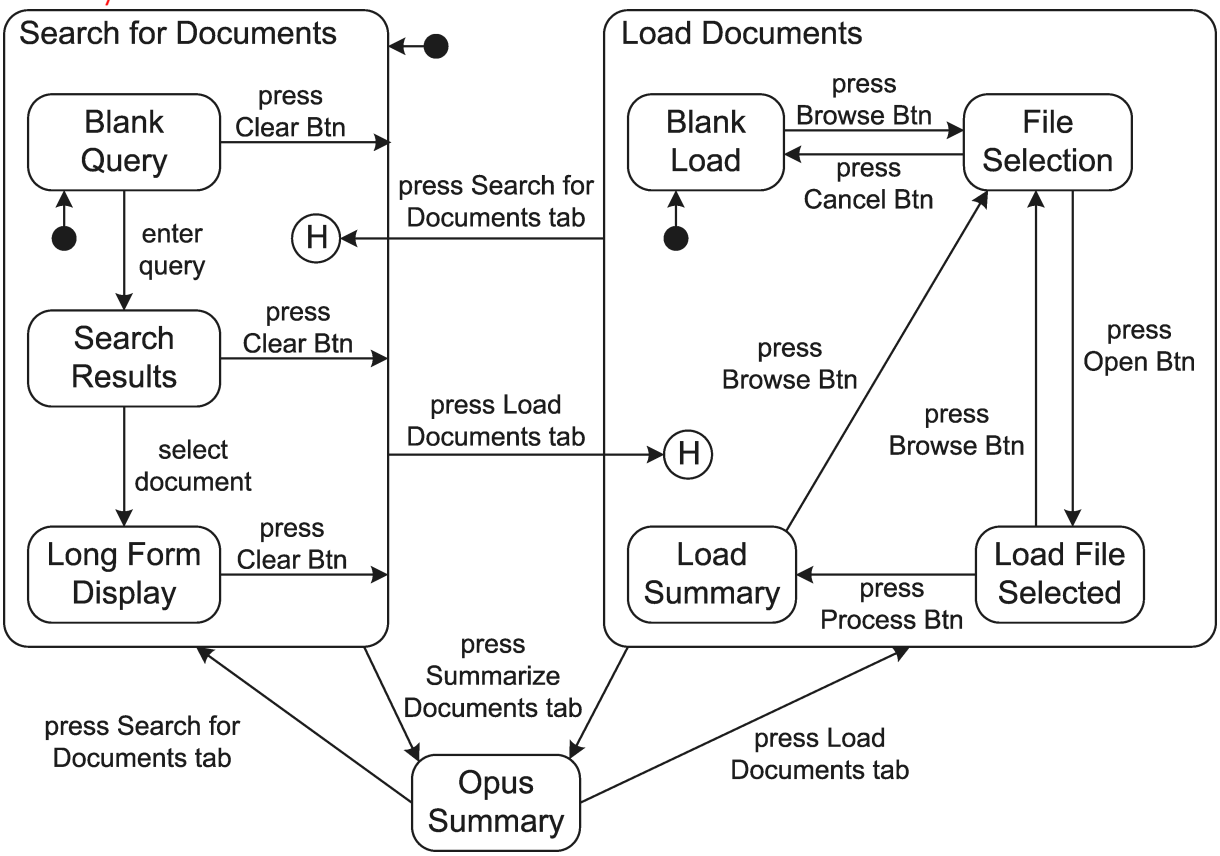
1. The Text File, Title, and Author text boxes must be cleared.
2. The Text File Type combo box must be reset to its default.
3. The Process button must be disabled.
4. The results of the loading process must be displayed in the text box at the bottom.

Opus Summary State



This diagram shows a sample of the opus summary state screen for a document store that holds six documents.

3. Storyboard



1. The user must be able to exit the program using the title bar controls.