

Pirex

Interaction Design Document (IDD) v1

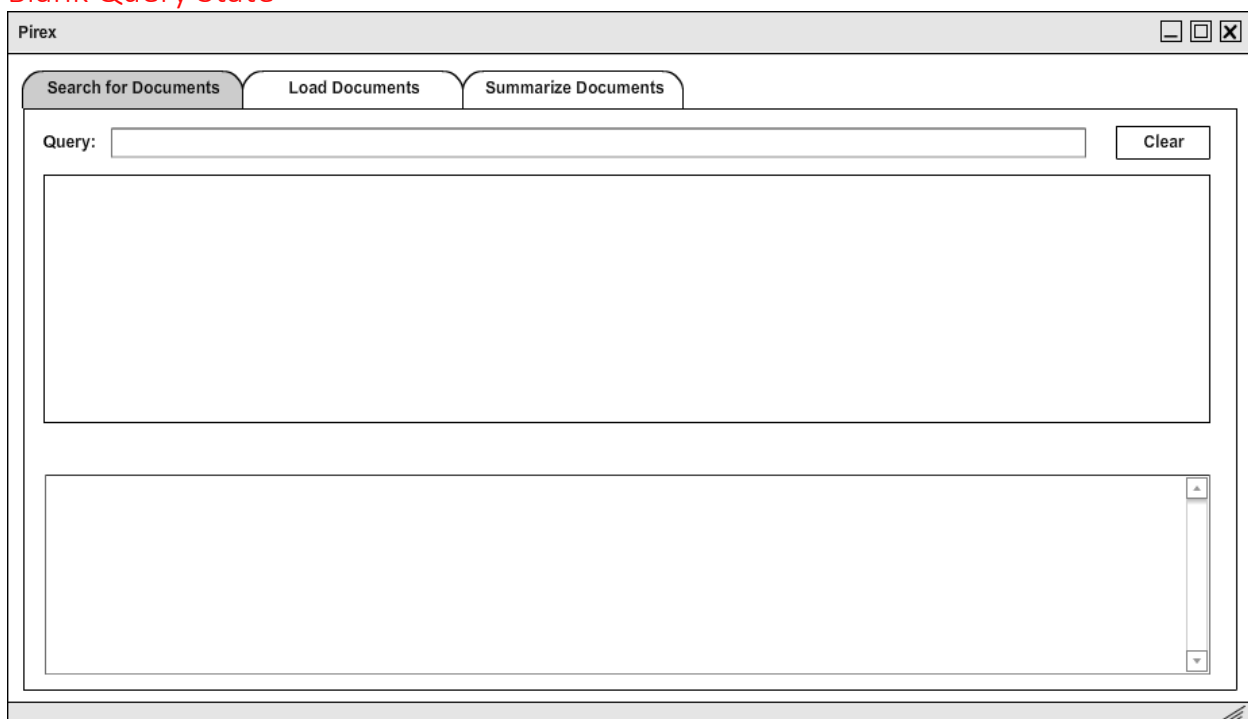
Introduction

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

Pirex

Search for Documents Load Documents Summarize Documents

Query: box Clear

Charles Dickens	Bleak House	276	I knew he meant well in paying me this compliment, so I laughed at
Charles Dickens	Bleak House	519	It was one of those delightfully irregular houses where you go up and
Charles Dickens	Bleak House	635	There may be some motions of fancy among the lower animals at Chesney
Charles Dickens	Bleak House	769	"They attend matins with me (very prettily done) at half-past six
Charles Dickens	Bleak House	947	This proper name, so used by Mr. Snagsby, has before now sharpened
Charles Dickens	Bleak House	954	The red bit, the black bit, the inkstand top, the other inkstand top,

Retrieved 6 documents

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

Pirex

Search for Documents Load Documents Summarize Documents

Query:

Charles Dickens	Bleak House	276	I knew he meant well in paying me this compliment, so I laughed at
Charles Dickens	Bleak House	519	It was one of those delightfully irregular houses where you go up and
Charles Dickens	Bleak House	635	There may be some motions of fancy among the lower animals at Chesney
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Retrieved 6 documents

There may be some motions of fancy among the lower animals at Chesney Wold. The horses in the stables--the long stables in a barren, red-brick court-yard, where there is a great bell in a turret, and a clock with a large face, which the pigeons who live near it and who love to perch upon its shoulders seem to be always consulting--THEY may contemplate some mental pictures of fine weather on occasions, and may be better artists at them than the grooms. The old roan, so famous for cross-country work, turning his large eyeball to the grated window near his rack, may remember the fresh leaves that glisten there at other times and the scents that stream in, and may

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 form display to the selected document.

Blank Load State

The image shows a software window titled "Pirex" with standard window controls (minimize, maximize, close) in the top right corner. The window contains three tabs: "Search for Documents", "Load Documents" (which is currently selected and highlighted), and "Summarize Documents". Below the tabs, there is a form with the following elements: a "Text File:" label followed by a text input box and a "Browse" button; a "Text File Type:" label followed by a dropdown menu showing "Project Gutenberg File"; a "Title:" label followed by a text input box; and an "Author:" label followed by a text input box. Below these fields is a horizontal line, followed by a "Process" button. At the bottom of the form is a large, empty rectangular box, likely for displaying the results of the processing.

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

The screenshot shows a window titled "Pirex" with three tabs: "Search for Documents", "Load Documents" (which is selected and highlighted), and "Summarize Documents". In the "Load Documents" tab, there is a "Text File:" label followed by a text box containing the path "/users/someone/taleOfTwoCities.txt" and a "Browse" button. Below this is a "Text File Type:" label followed by a dropdown menu showing "Project Gutenberg File". Further down are two text boxes: "Title:" containing "A Tale of Two Cities" and "Author:" containing "Charles Dickens". At the bottom of the form area is a "Process" button. Below the button is a large, empty rectangular box intended for a summary or output.

This diagram shows the example of choosing to load the Project 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

Pirex

Search for Documents Load Documents Summarize Documents

Text File: Browse

Text File Type: Project Gutenberg File ▼

Title: Author:

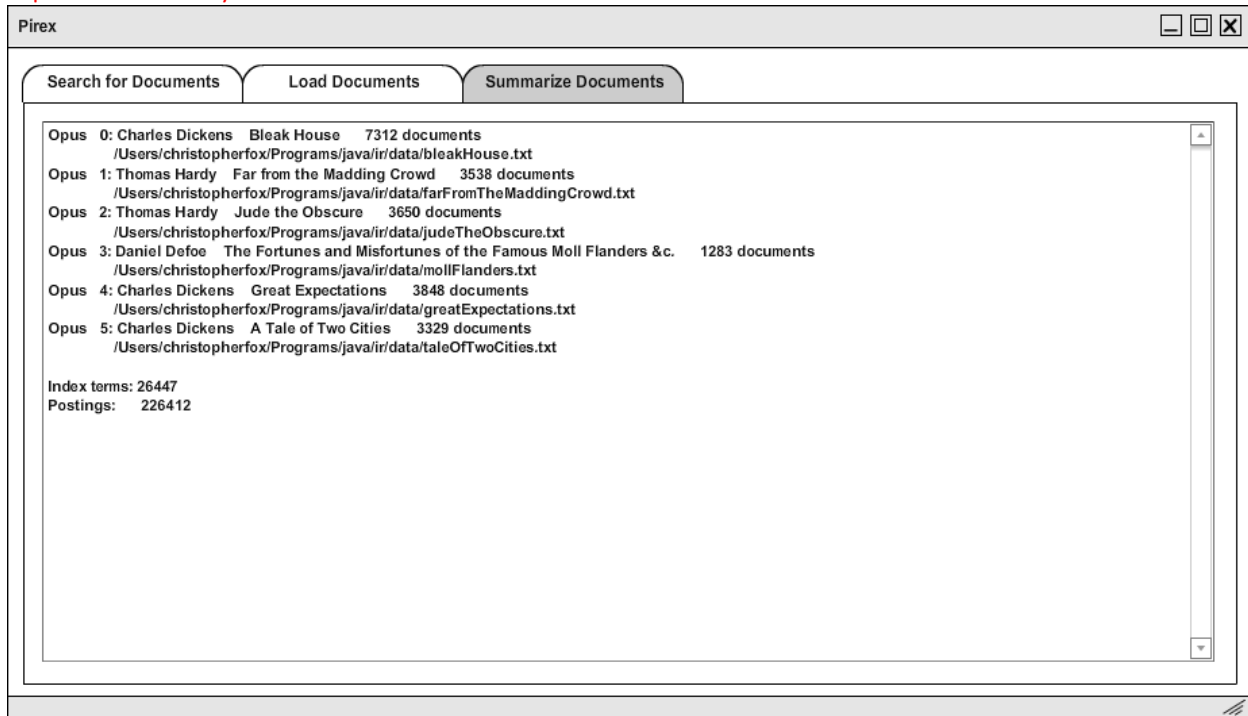
Process

Opus: /users/somone/taleOfTwoCities.txt
Title: A Tale of Two Cities
Author: Charles Dickens
Opus size: 3329 documents
Opus number: 5
New index terms: 1298
New postings: 55039
Total index terms: 26447
Total postings: 226412

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

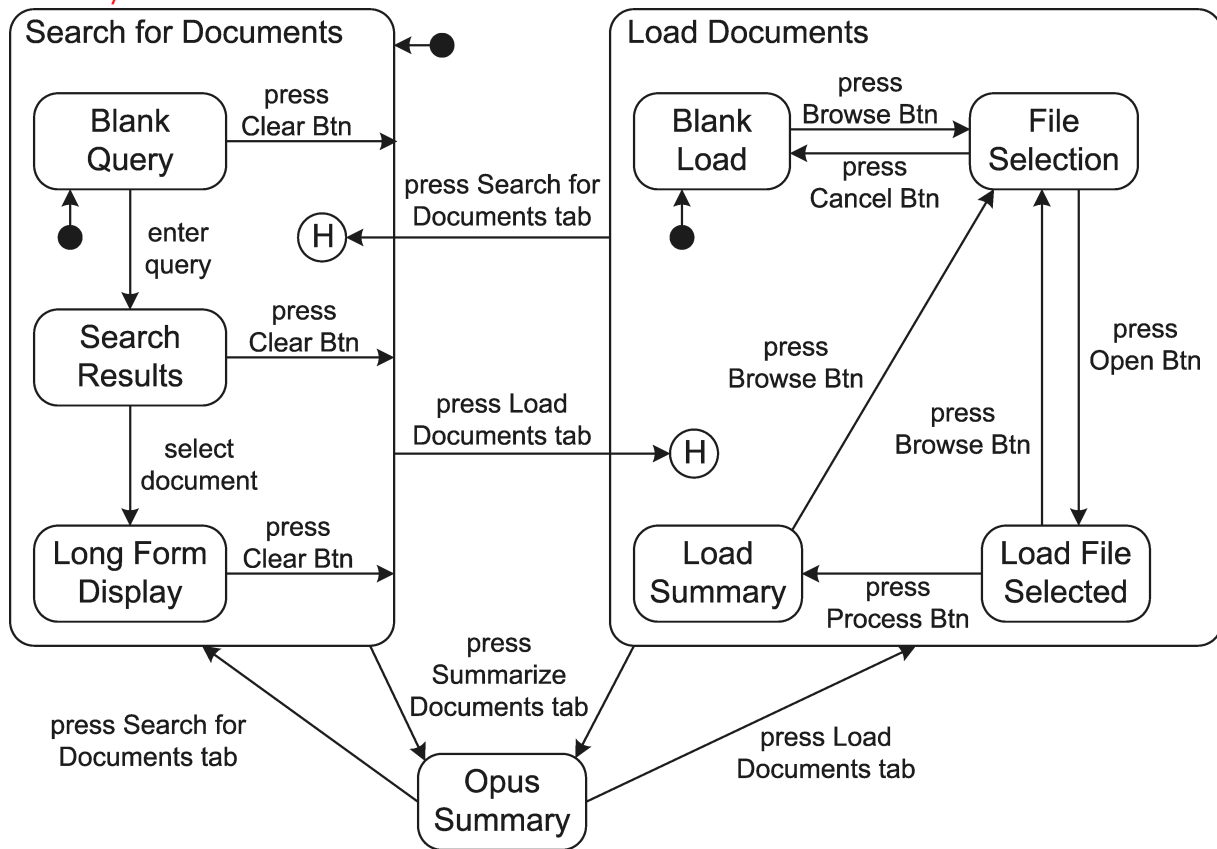
1. The Text File, Title, and Author text boxes must be cleared.
2. The Text File Type combo box must be reset to its default.
3. The Process button must be disabled.
4. The results of the loading process must be displayed in the text box at the bottom.

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.