



The SkyComm Resource Portal: Quick Start Guide

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Application Overview

The SkyComm Resource Portal web application provides information on corporate resources to employees and other authorized personnel who have access to the company's intranet. The application's Home Page is displayed below (Figure 1).

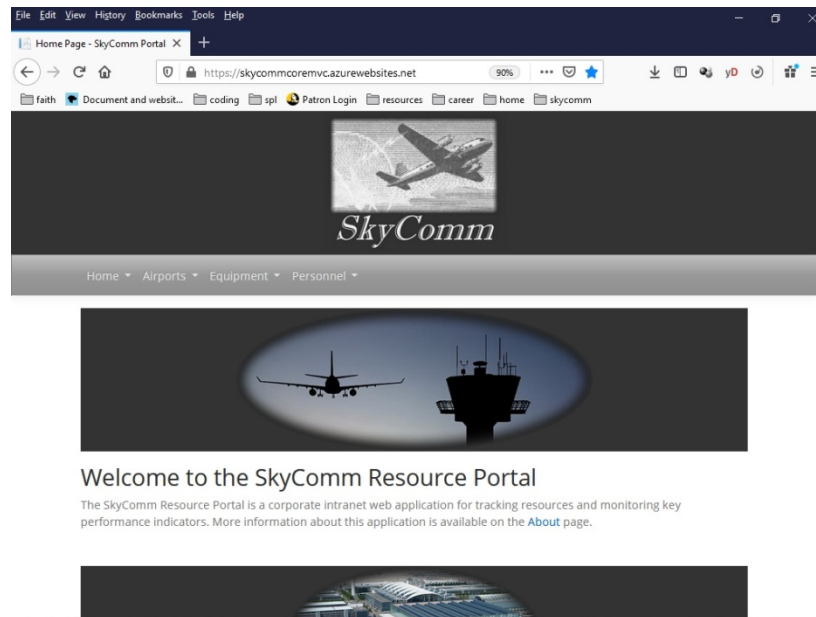


Figure 1. The application's Home Page

Application Navigation

The portal displays information in four main sections; the Home section, the Airports section, the Equipment section, and the Personnel section.



Lateral Navigation

The Home pages for these sections, along with the Quick Start Guide, About, and Contact pages, are the lateral navigation from the Home Page (Figure 2).

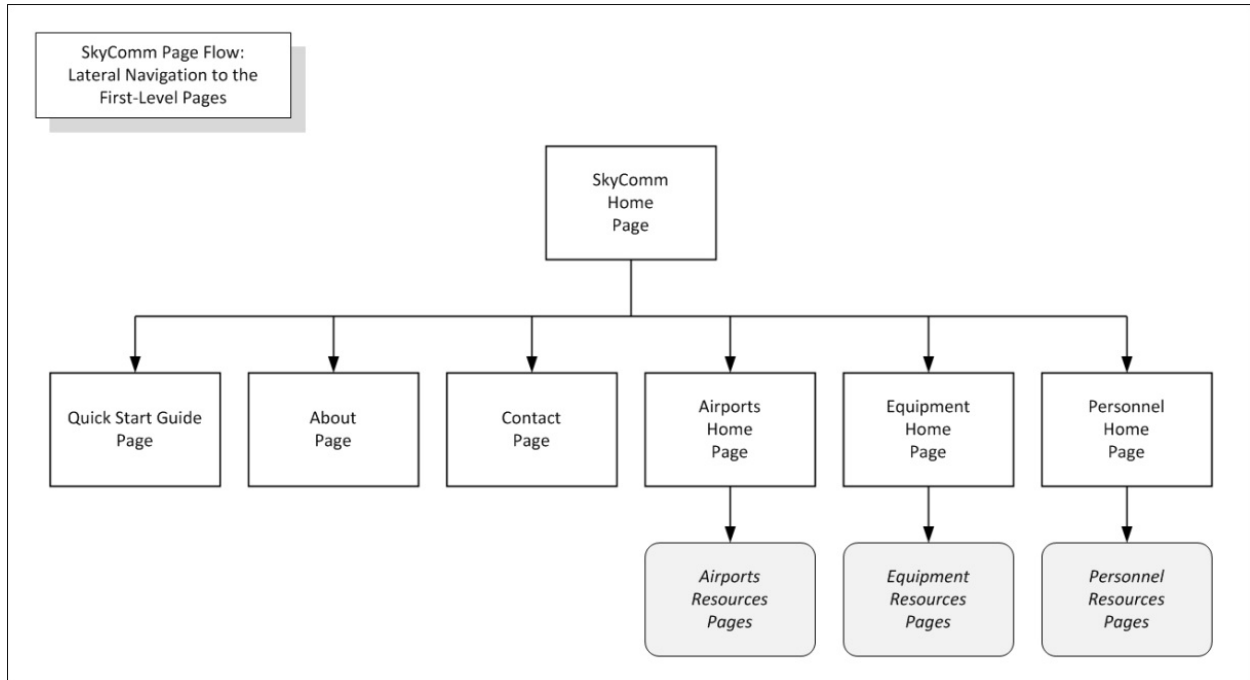


Figure 2. The Home Page's lateral navigation paths

The navigation to these pages and sections is provided by a menu bar just below the title banner on each page within the application. This menu bar also provides rapid navigation to the secondary level pages in each section (Figures 3, 4, 5, 6).



Figure 3. The Menu Bar: the Home Section Menu



Figure 4. The Menu Bar: the Airports Section Menu

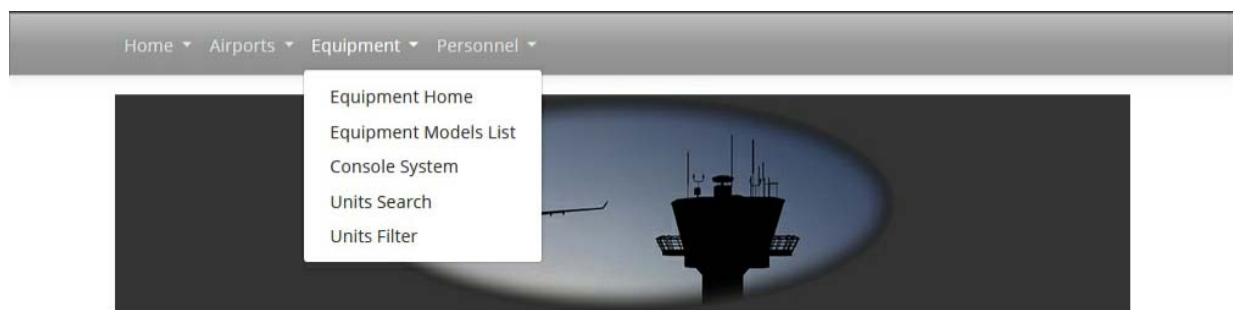


Figure 5. The Menu Bar: the Equipment Section Menu

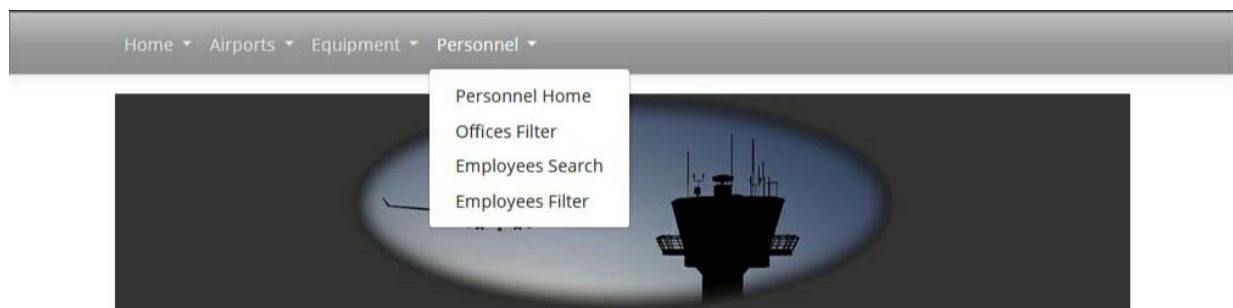


Figure 6. The Menu Bar: the Personnel Section Menu



Vertical Navigation

Vertical navigation occurs within the Airports, Equipment, and Personnel sections. The flow chart below uses the Airports Section pages, which provide a representative example (Figure 7).

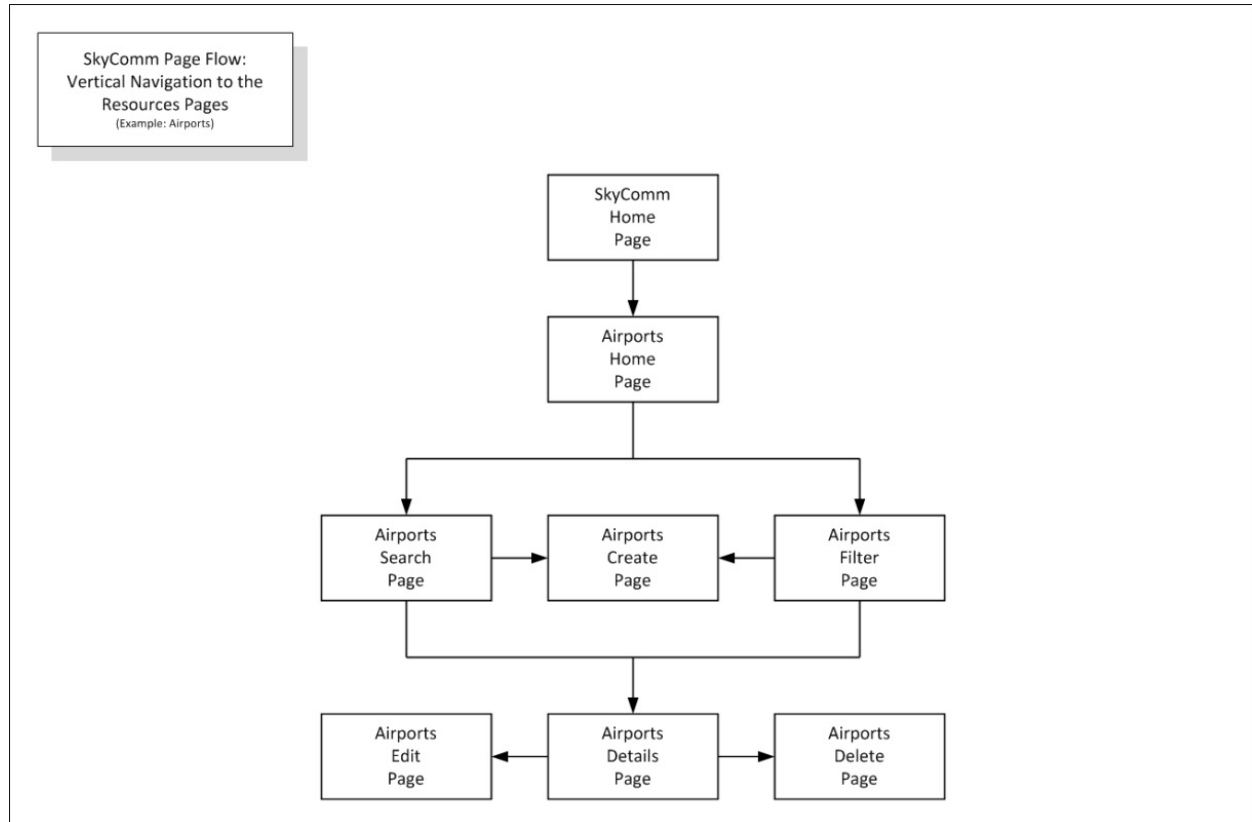


Figure 7. The Section Pages' vertical navigation paths

The section display pages typically provide the following functions:

- A *home* page that serves as an index for the section's pages
- A *search* page that displays a summary list of the applicable resource with text search capabilities
- A *filter* page that displays a summary list of the applicable resource with filtering capabilities
- A *details* page that displays detailed information for a resource selected from a summary list
- An *edit* page that provides the capability to edit a selected resource record
- A *delete* page that provides the capability to delete a selected resource record
- A *create* page that provides the capability to create a new resource record

The summary list displayed in the Search and Filter pages contains an identifier column. The data in this column is a link; clicking it navigates to the Details page for the selected resource. This is illustrated below in the Airports Summary List (Figure 8). The three-letter airport codes in the IATA Code column (colored blue) are links to the Airports Details page, which displays detailed information for the selected airport.



IATA Code	Name	SkyComm Ops Level	Country	Airport Type
ODL	Cordillo Downs Airport	none	Australia	Small Airport
ODR	Ord River Airport	none	Australia	Small Airport
ORD	Chicago O'Hare International Airport	Large	United States	Large Airport
OXC	Waterbury Oxford Airport	none	United States	Small Airport
OXF	Oxford (Kidlington) Airport	none	United Kingdom	Medium Airport

Figure 8. The Identifier (Link) Column: The Airports Summary List

The Details page contains control buttons for navigating to the pages that provide the capability to edit or delete the selected resource, as well as navigating back to the previous page or the section's home page (Figure 9).

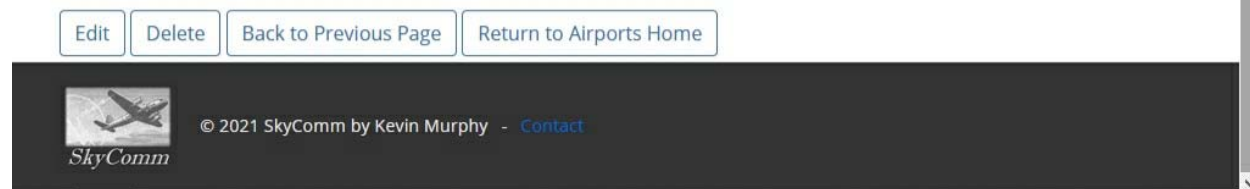


Figure 9. The Control Buttons: The Airports Details Page

The Filter and Search pages contain the control button that navigates to the page that provides the capability to create a new resource record (Figures 10, 11).



Figure 10. The Create Control Button: The Airports Search Page



Figure 11. The Create Control Button: The Airports Filter Page



Application Pagination

The records displayed in a resource summary list are divided into pages. The default setting is five (5) records per page. The page size can also be set for ten (10), twenty-five (25), or fifty (50) records per page; this selection is made the *Records Per Page* dropdown box (Figure 12).

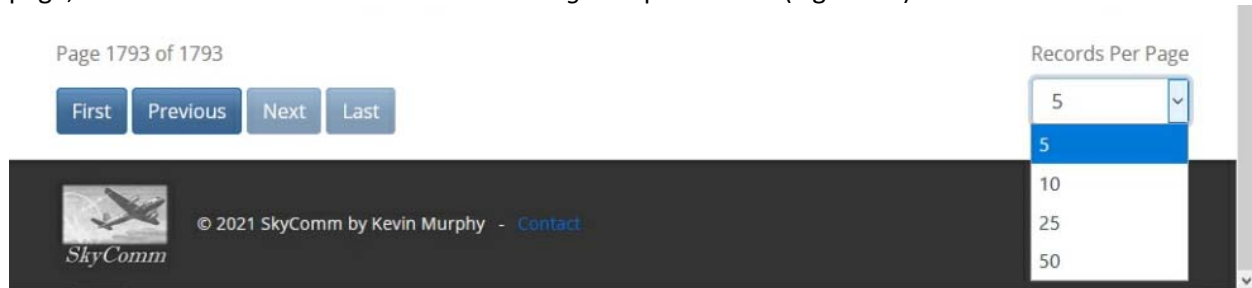


Figure 12. The Airports Section: The Airports Search Page Pagination Controls

One exception to the page size settings is found in the Equipment Models Filter page, which provides for settings of twelve (12), twenty-four (24), forty-eight (48), or seventy-two (72) records per page (Figure 13).

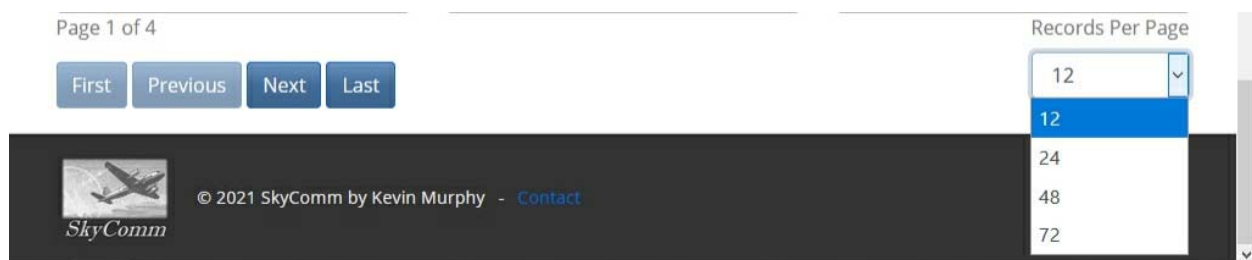


Figure 13. The Equipment Section: The Equipment Models Filter Page Pagination Controls

The list pages can be navigated by selecting the following control buttons:

- *First*, which displays the first page in the list
- *Previous*, which displays the previous page in the list
- *Next*, which displays the next page in the list
- *Last*, which displays the last page in the list

When a list page is displaying the first page in a list of pages, the *First* and *Previous* control buttons will be disabled (Figure 14).

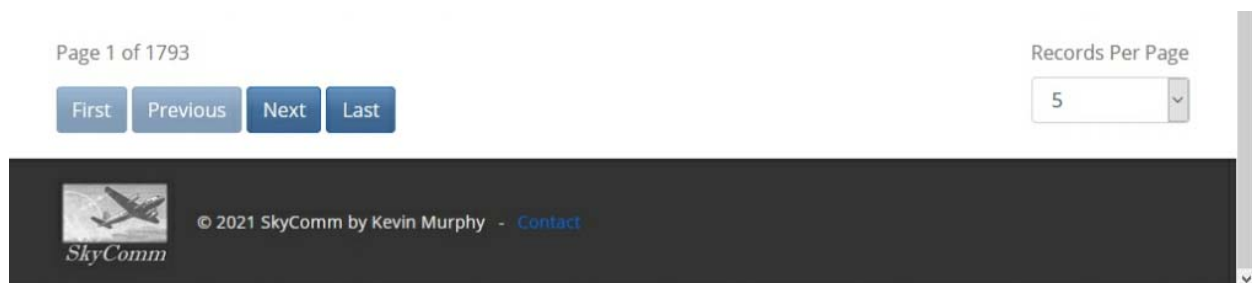


Figure 14. The Pagination Controls: The First Page



When a list page is displaying the last page in a list of pages, the *Next* and *Last* control buttons will be disabled (Figure 15).

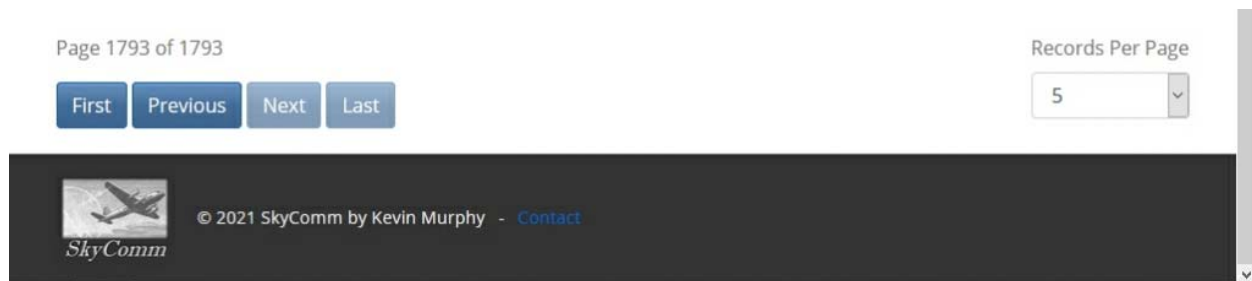


Figure 15. The Pagination Controls: The Last Page

When a list page is displaying a page other than the first or last page in a list of pages, the pagination control buttons will all be enabled (Figure 16).

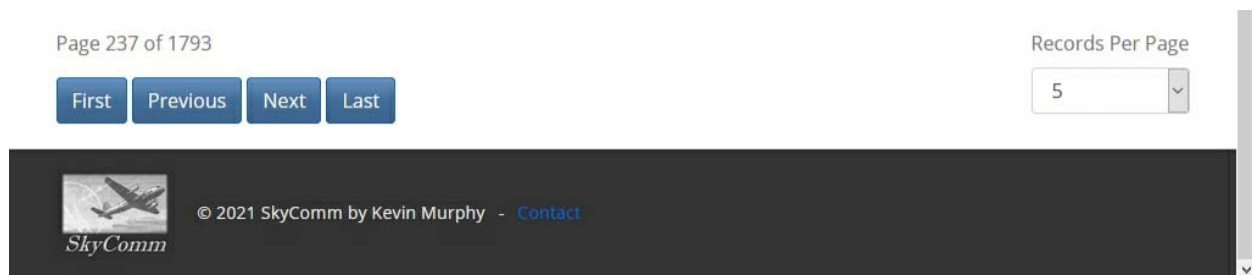


Figure 16. The Pagination Controls: Other Than The First or Last Page



Search Capabilities

The Airports Search Page is representative of the application's search capabilities. The page displays a summary list of worldwide airports in a form that provides search capabilities (Figure 17). The data items displayed in the *IATA Code* column are navigation links. Selecting one of these items will navigate to the Airports: Details page showing additional information about the selected airport.

The screenshot shows a web browser window with the title 'Airports Search - SkyComm Po'. The address bar shows the URL 'https://skycommcoremvc.azurewebsites.net/Airports/Sea'. The page content includes a 'Create New' button, a 'Search for...' text box, and a 'Search' button. Below the search box is a 'Search in...' section with radio buttons for 'IATA Code or Name' (selected), 'IATA Code only', and 'Name only'. It indicates '8965 records returned'. A table displays the search results with columns: IATA Code, Name, SkyComm Ops Level, Country, and Airport Type. The table lists five airports: AAA (Anaa Airport), AAB (Arrabury Airport), AAC (El Arish International Airport), AAE (Annaba Airport), and AAF (Apalachicola Regional Airport). At the bottom, there is a pagination section showing 'Page 1 of 1793' and a 'Records Per Page' dropdown set to 5.

IATA Code	Name	SkyComm Ops Level	Country	Airport Type
AAA	Anaa Airport	none	French Polynesia	Medium Airport
AAB	Arrabury Airport	none	Australia	Small Airport
AAC	El Arish International Airport	none	Egypt	Medium Airport
AAE	Annaba Airport	none	Algeria	Medium Airport
AAF	Apalachicola Regional Airport	none	United States	Small Airport

Figure 17. The Airports Search Page

To execute a search, text is first entered into the *Search for...* text box. A search can occur within two columns, *IATA Code* and *Name*. Whether one column is searched individually or both columns are searched concurrently is specified by selecting a radio button in the *Search in...* control group; the default selection is both columns. The search is then executed by selecting the *Search* control button. The resulting list is displayed (Figure 18).



The screenshot shows a web browser window with the URL `https://skycommcoremvc.azurewebsites.net/Airports/Search?pageNum: ...`. The page has a dark blue header with menu items: File, Edit, View, History, Bookmarks, Tools, Help. Below the header is a tab labeled "Airports Search - SkyComm P...". The main content area has a "Create New" button, a search input field containing "ord", and "Search" and "Reset" buttons. Below the search field, it says "Search in... IATA Code or Name: ☒ | IATA Code only: ☐ | Name only: ☐". It then states "80 records returned." and displays a table of results.

IATA Code	Name	SkyComm Ops Level	Country	Airport Type
ODL	Cordillo Downs Airport	none	Australia	Small Airport
ODR	Ord River Airport	none	Australia	Small Airport
ORD	Chicago O'Hare International Airport	Large	United States	Large Airport
OXC	Waterbury Oxford Airport	none	United States	Small Airport
OXF	Oxford (Kidlington) Airport	none	United Kingdom	Medium Airport

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Records Per Page: 5

Buttons: First, Previous, Next, Last

Figure 18. The Airports Search Page Displaying Results

If the search does not return any results, the message, *"No records returned, please review your filter criteria."* is displayed in place of a list (Figure 19).

The screenshot shows the same Airports Search page as Figure 18, but with the search input field containing "ordk". The search results table is replaced by the message: "No records returned, please review your filter criteria." The "Search" and "Reset" buttons are still present.

Figure 20. The Airports Search Page Displaying No Records Returned Results

Selecting the *Reset* control button will return the form to its default settings and records list. Please note that selecting any control button on this form will immediately update the page display.



Filter Capabilities

The Airports Filter Page is representative of the application's filter capabilities. The page displays a summary list of worldwide airports in a form that provides filtering capabilities (Figure 21). The data items displayed in the *IATA Code* column are navigation links. Selecting one of these items will navigate to the Airports: Details page showing additional information about the selected airport.

Airports Filter

Create New

SkyComm Ops Level: (All) Country: (All) Airport Type: (All) [Reset](#)

8965 records returned.

IATA Code	Name	SkyComm Ops Level	Country	Airport Type
AAA	Anaa Airport	none	French Polynesia	Medium Airport
AAB	Arrabury Airport	none	Australia	Small Airport
AAC	El Arish International Airport	none	Egypt	Medium Airport
AAE	Annaba Airport	none	Algeria	Medium Airport
AAF	Apalachicola Regional Airport	none	United States	Small Airport

Page 1 of 1793

Records Per Page: 5

[First](#) [Previous](#) [Next](#) [Last](#)

Figure 21. The Airports Filter Page

To execute a filter, a selection is made from one or more dropdown lists. A filter can occur within three columns, *SkyComm Ops Level*, *Country*, and *Airport Type*. After a dropdown list item is selected, the filter is immediately executed and the updated list is displayed (Figure 22).



The screenshot shows a web browser window with the URL <https://skycommcoremvc.azurewebsites.net/Airports/Filter>. The page title is "Airports Filter". Below the title is a "Create New" button. The filter section includes three dropdown menus: "SkyComm Ops Level" set to "Large", "Country" set to "United States", and "Airport Type" set to "Large Airport". A "Reset" button is to the right of these filters. Below the filters, it says "20 records returned." A table displays the results with columns: IATA Code, Name, SkyComm Ops Level, Country, and Airport Type. The table lists five airports: HNL (Honolulu International Airport), IAD (Washington Dulles International Airport), IAH (George Bush Intercontinental Houston Airport), JFK (John F Kennedy International Airport), and LAX (Los Angeles International Airport). At the bottom, it shows "Page 2 of 4" and a "Records Per Page" dropdown set to 5. Navigation buttons (First, Previous, Next, Last) are also present.

IATA Code	Name	SkyComm Ops Level	Country	Airport Type
HNL	Honolulu International Airport	Large	United States	Large Airport
IAD	Washington Dulles International Airport	Large	United States	Large Airport
IAH	George Bush Intercontinental Houston Airport	Large	United States	Large Airport
JFK	John F Kennedy International Airport	Large	United States	Large Airport
LAX	Los Angeles International Airport	Large	United States	Large Airport

Figure 22. The Airports Filter Page Displaying Results

If the filter does not return any results, the message, *"No records returned, please review your filter criteria."* is displayed in place of a list (Figure 23).

The screenshot shows the same "Airports Filter" page, but with different filter settings. The "SkyComm Ops Level" dropdown is now set to "Small", and the "Airport Type" dropdown is set to "Closed". The "Country" remains "United States". The "Reset" button is still present. Below the filters, the message "No records returned, please review your filter criteria." is displayed instead of a table of results.

Figure 23. The Airports Filter Page Displaying No Records Results

Selecting the *Reset* control button will return the form to its default settings and records list. Please note that selecting any control button on this form will immediately update the page display.



Additional Information

Additional information about application can be found in the Home Section pages shown below.

The Quick Start Guide Page

The Quick Start Guide Page provides a user with specific information that will allow a user who is unfamiliar with the application to quickly use it in a productive way. Flow charts and application screenshots are used to illustrate the textual descriptions. A print version of the Quick Start Guide, available in the PDF format, can be viewed in a new browser window by clicking on the link. A more detailed user guide (PDF format), can also be viewed in a new browser window by clicking on the link (Figure 24).

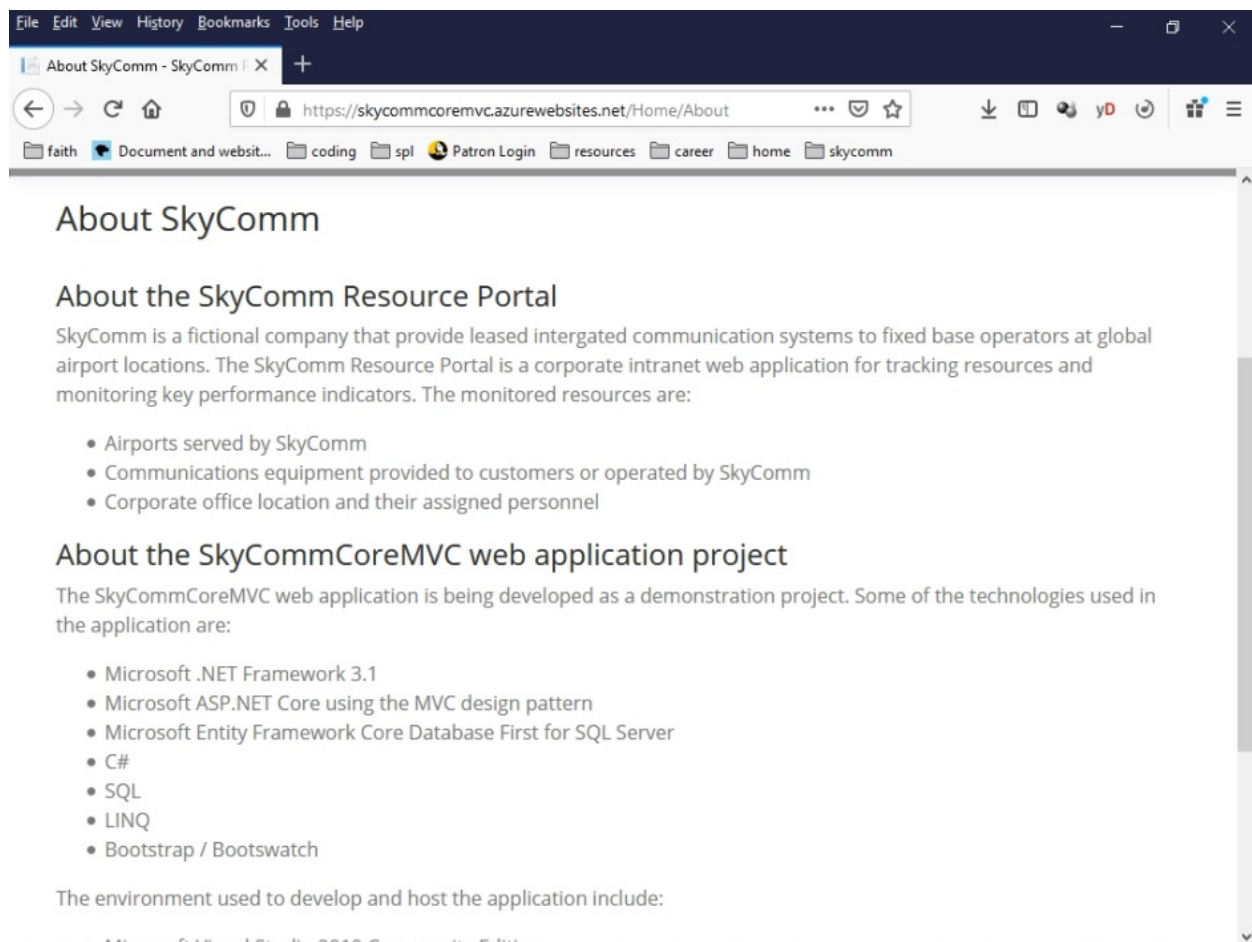


Figure 24. The Home Section Quick Start Guide Page



The About Page

The About Page displays information about SkyComm, the portal web application project, and its development environment. At the bottom of the page is a link that will open the GitHub code repository home page for the project in a new browser window (Figure 25).

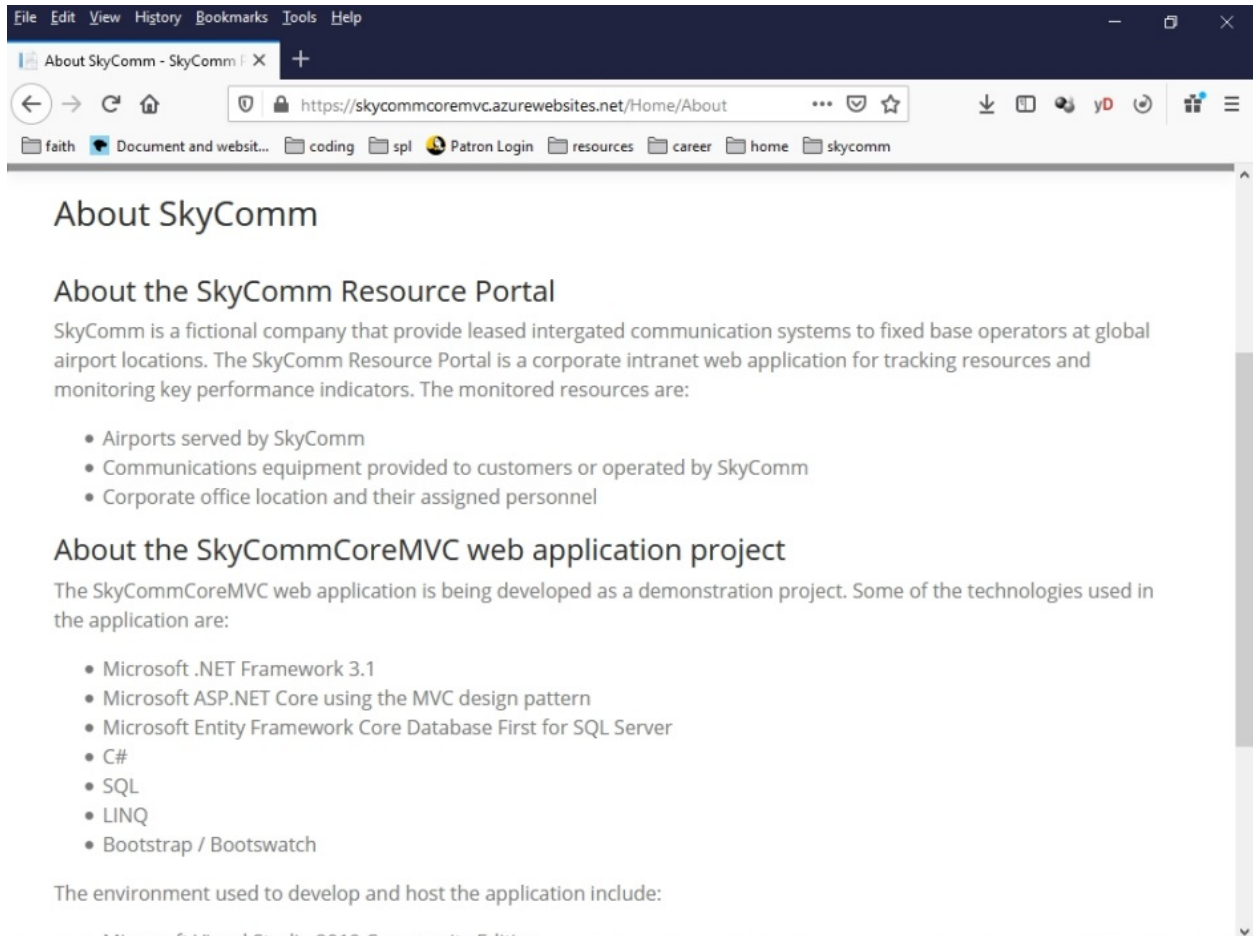


Figure 25. The Home Section About Page



The Contact Page

The Contact Page provides links for learning more about the application's developer. The links will open the applicable application in a new window (Figure 26).

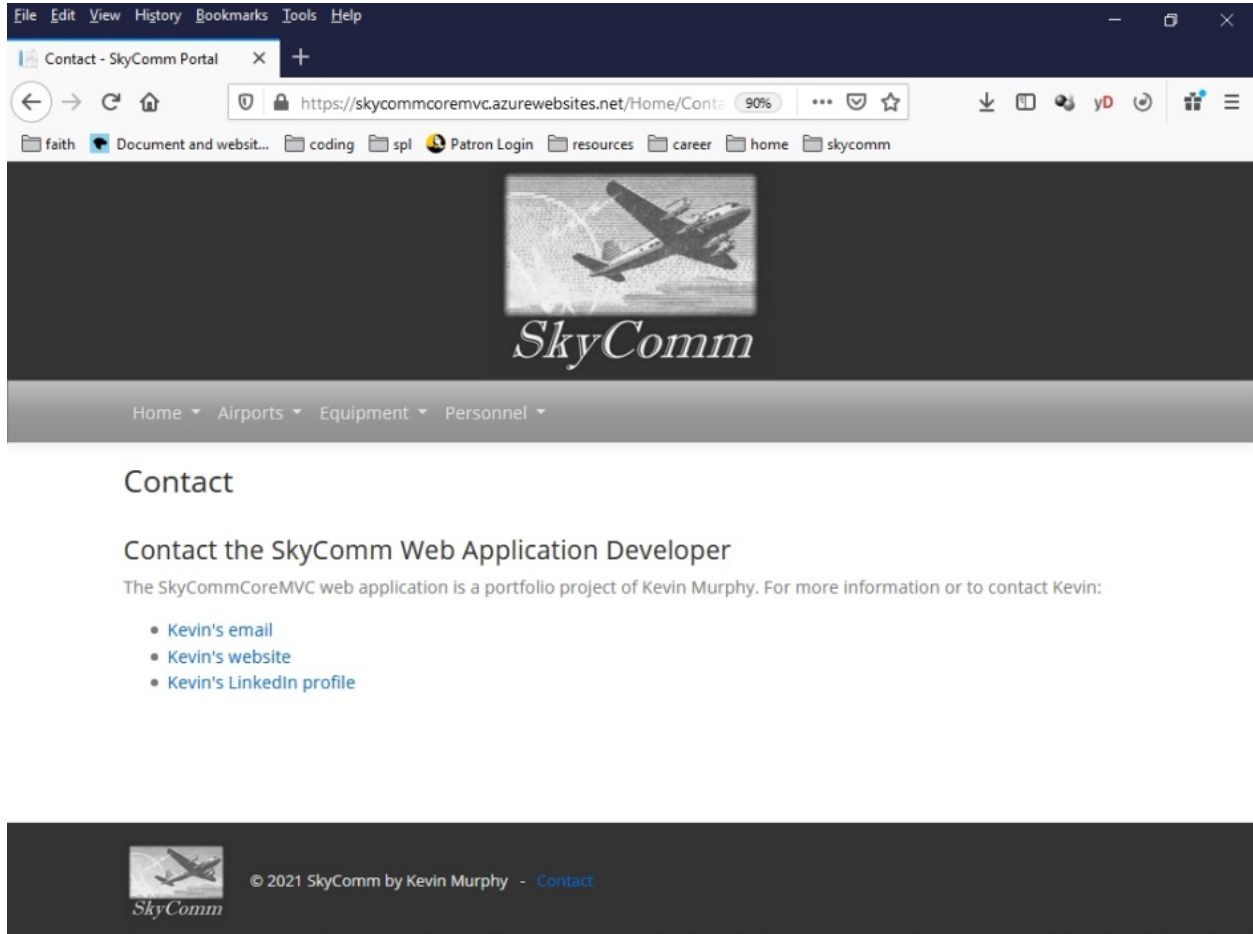


Figure 26. The Home Section Contact Page