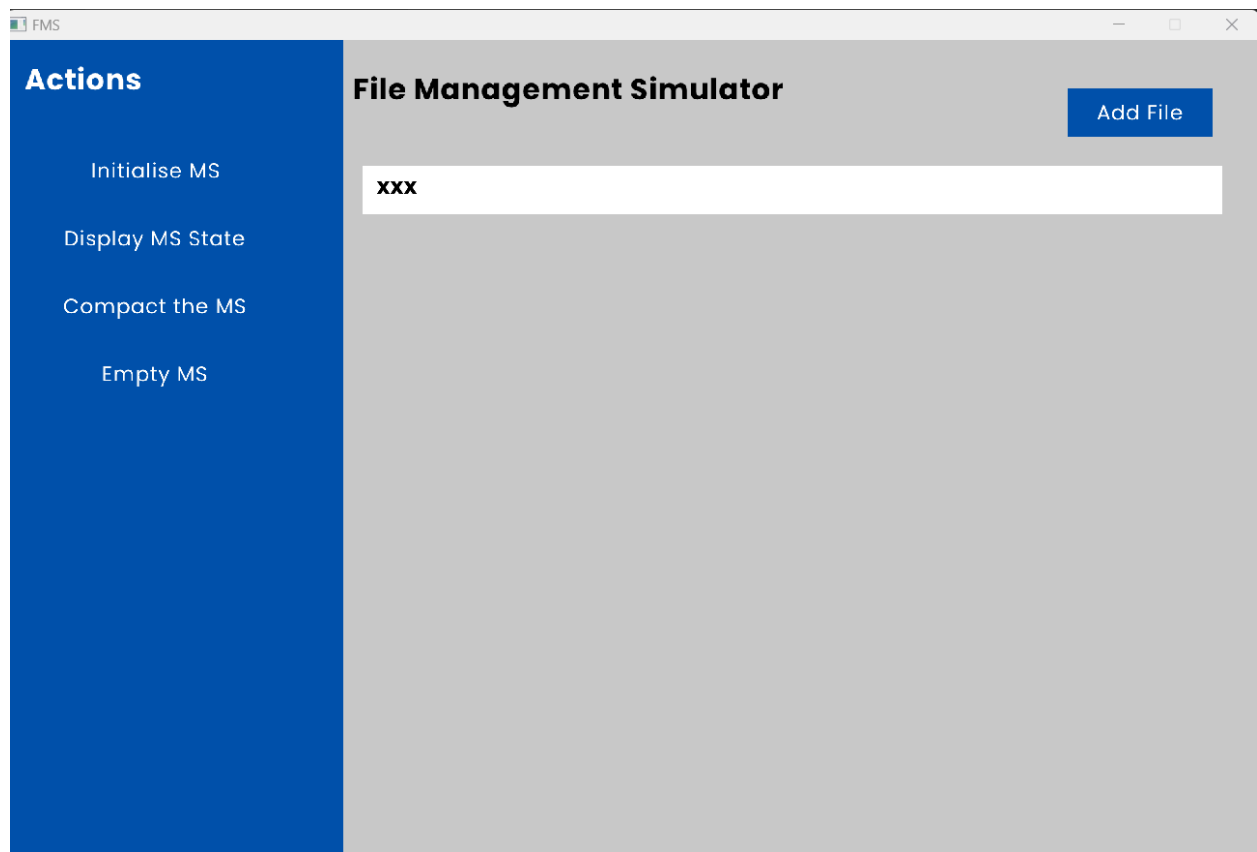


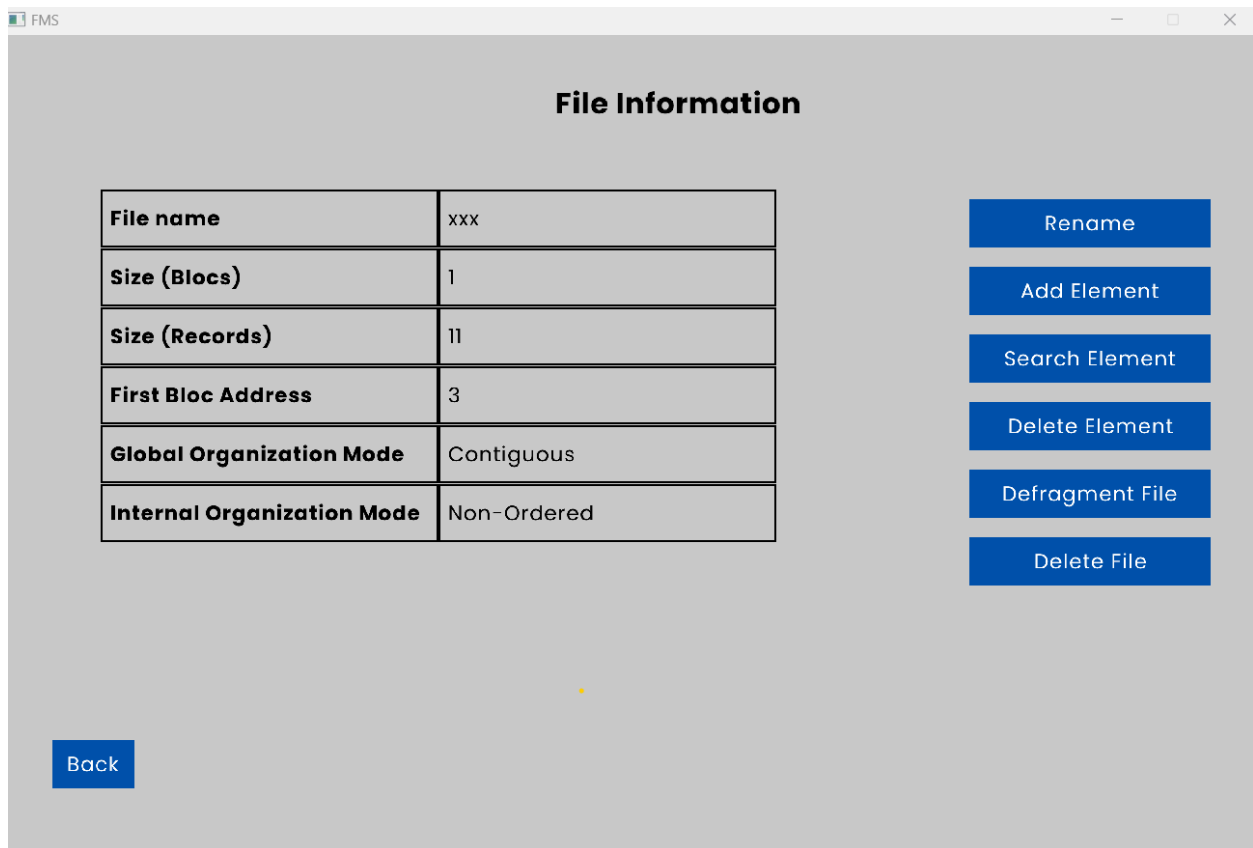
Home Screen:



- Side panel located in the left-hand side of the screen, contains a list of all MS functionalities and operations.
- Add file button, allows users to create a new file and store it in the MS by drag and drop functionality.
- File display area, the main area of home screen displays currently stored files within the MS, these files are presented in the form of a list of tiles (one file is displayed named "XXX").

Display File Information:

By clicking on a specific file tile, this window is shown:



The screenshot shows a window titled 'FMS' with a 'File Information' section. It contains a table with the following data:

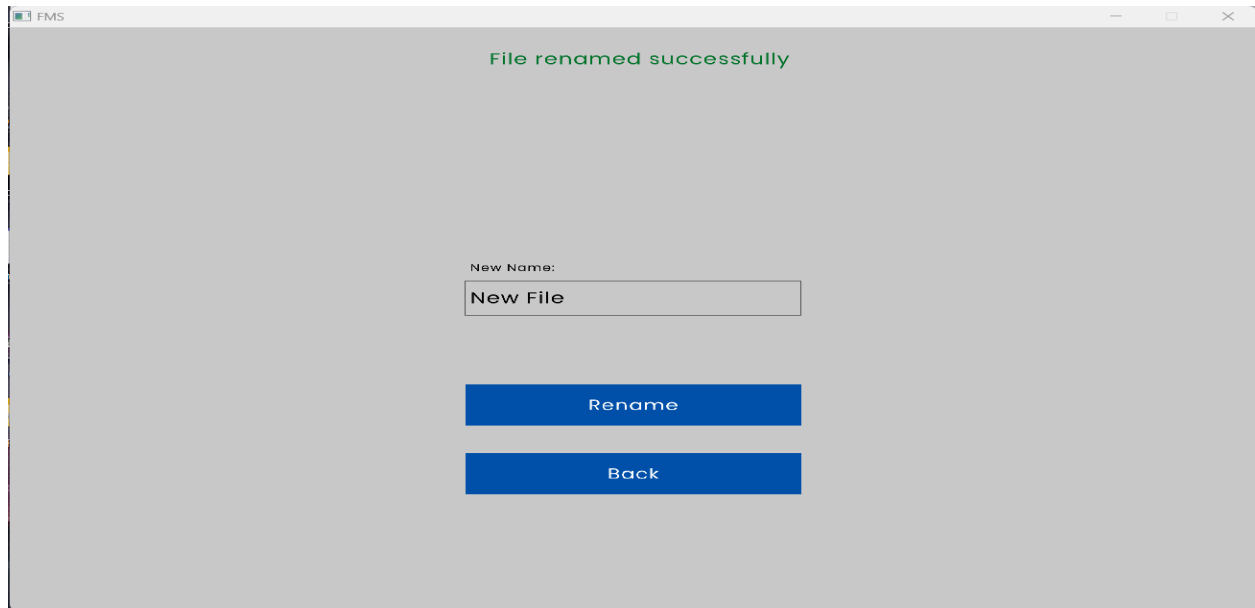
File name	xxx
Size (Blocs)	1
Size (Records)	11
First Bloc Address	3
Global Organization Mode	Contiguous
Internal Organization Mode	Non-Ordered

To the right of the table is a vertical stack of six blue buttons: 'Rename', 'Add Element', 'Search Element', 'Delete Element', 'Defragment File', and 'Delete File'. At the bottom left of the window is a 'Back' button.

- Descriptive table with all file information
- On the side, all file operation are included such as: rename, delete, search...etc
- Back button, to navigate back to the home screen

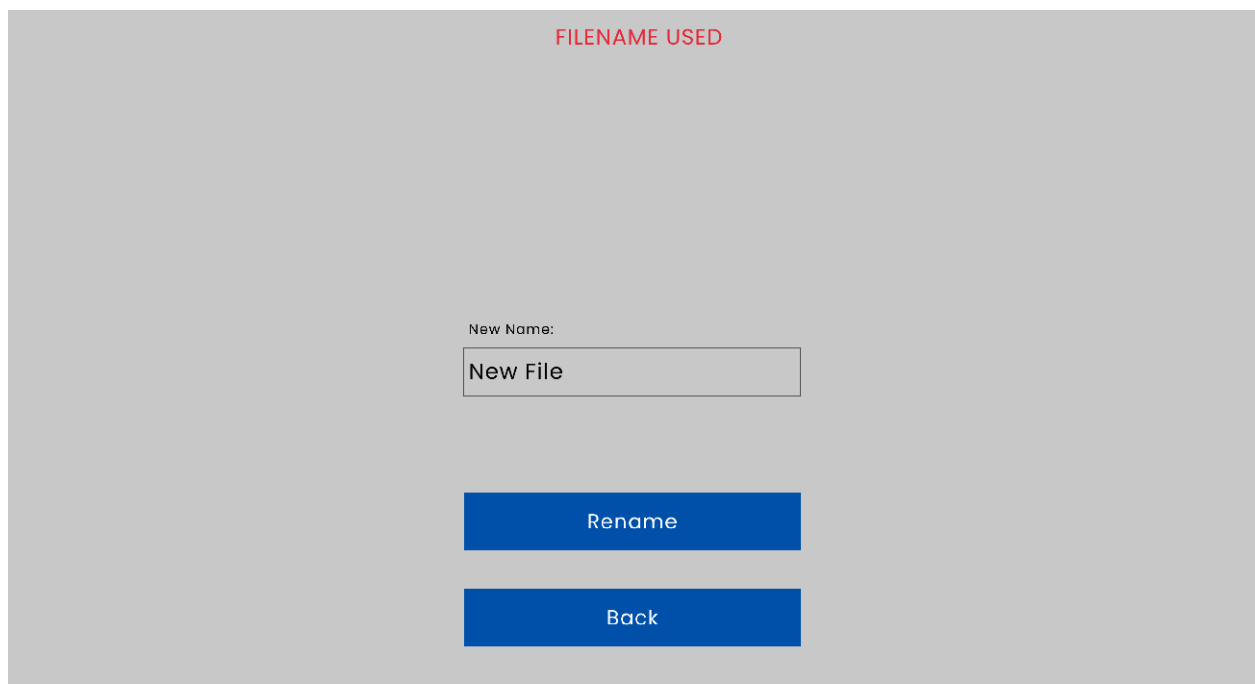
Rename option:

Case of filename doesn't exist already



A screenshot of a web application window titled "FMS". The window has a light gray background. At the top, a green message "File renamed successfully" is displayed. Below this, there is a label "New Name:" followed by a text input field containing the text "New File". Underneath the input field are two blue buttons: "Rename" and "Back".

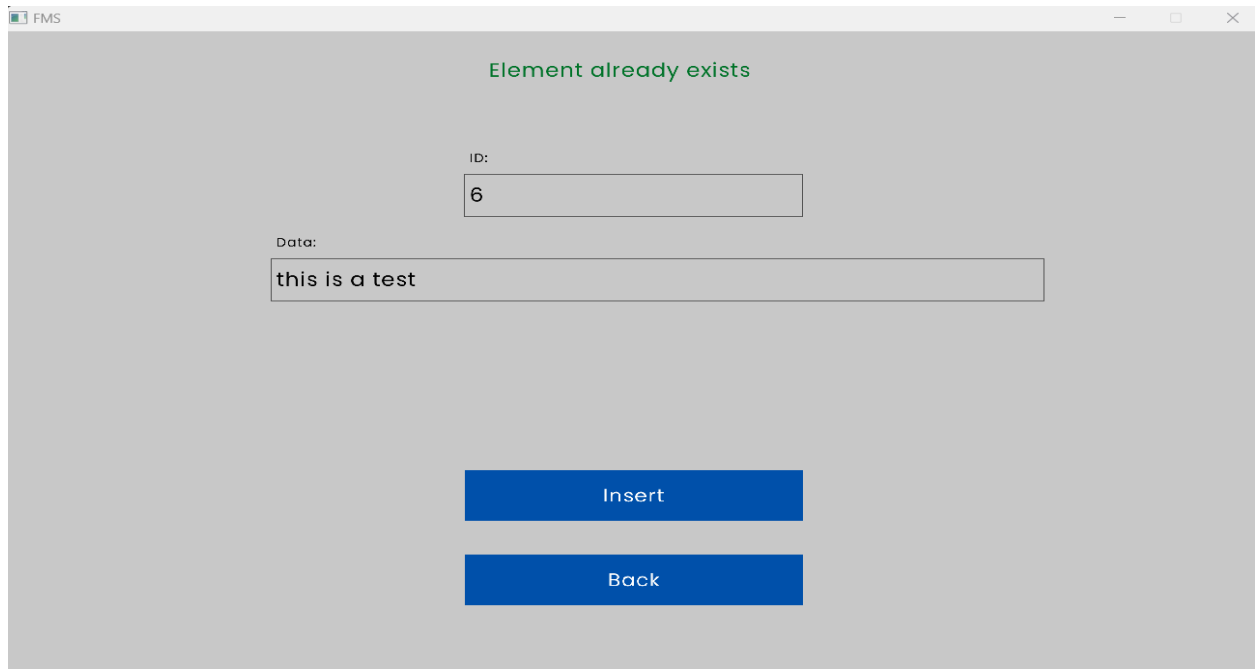
Case of filename already exist



A screenshot of the same web application window titled "FMS". The window has a light gray background. At the top, a red message "FILENAME USED" is displayed. Below this, there is a label "New Name:" followed by a text input field containing the text "New File". Underneath the input field are two blue buttons: "Rename" and "Back".

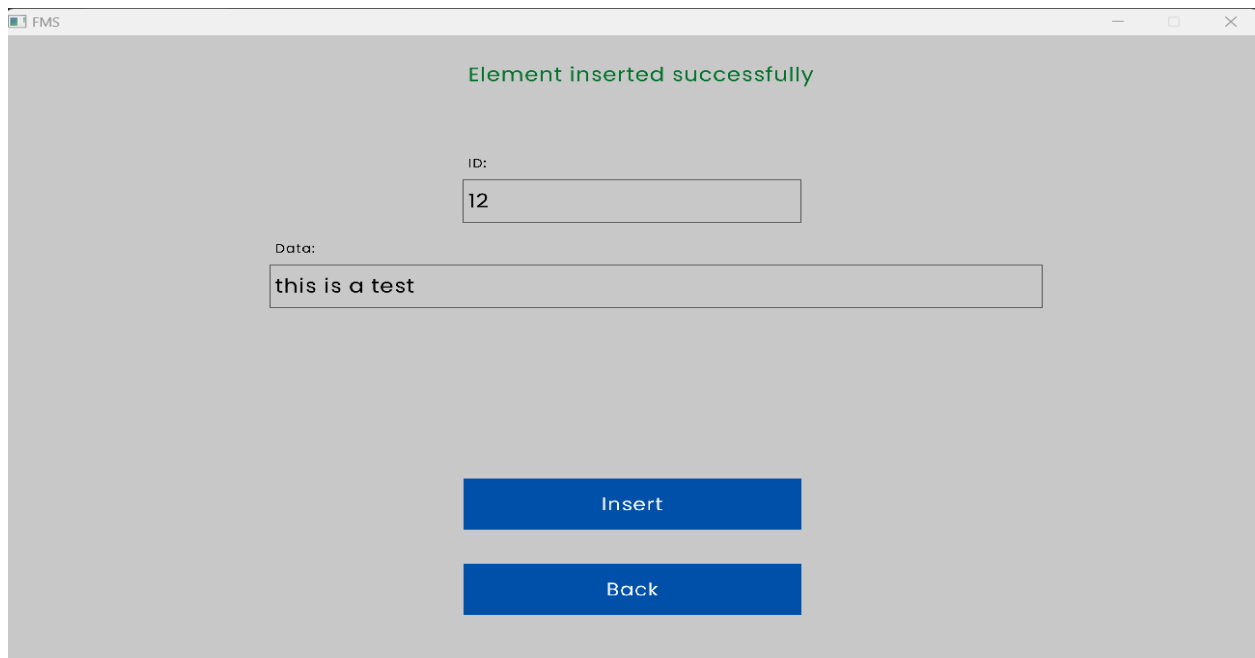
Insertion option:

Case of element already exists:



A screenshot of a web application window titled 'FMS'. The window has a light gray background. At the top center, the text 'Element already exists' is displayed in green. Below this, there are two input fields. The first is labeled 'ID:' and contains the number '6'. The second is labeled 'Data:' and contains the text 'this is a test'. At the bottom of the window, there are two blue buttons: 'Insert' and 'Back'.

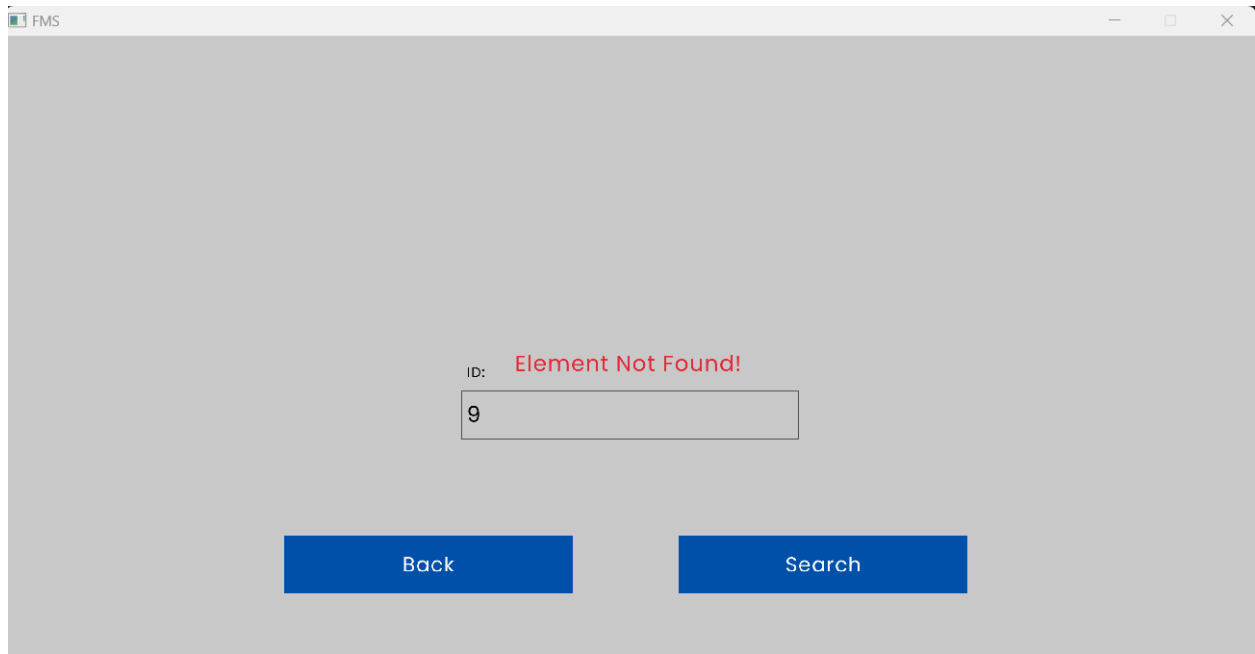
Case of ID is not taken:



A screenshot of a web application window titled 'FMS'. The window has a light gray background. At the top center, the text 'Element inserted successfully' is displayed in green. Below this, there are two input fields. The first is labeled 'ID:' and contains the number '12'. The second is labeled 'Data:' and contains the text 'this is a test'. At the bottom of the window, there are two blue buttons: 'Insert' and 'Back'.

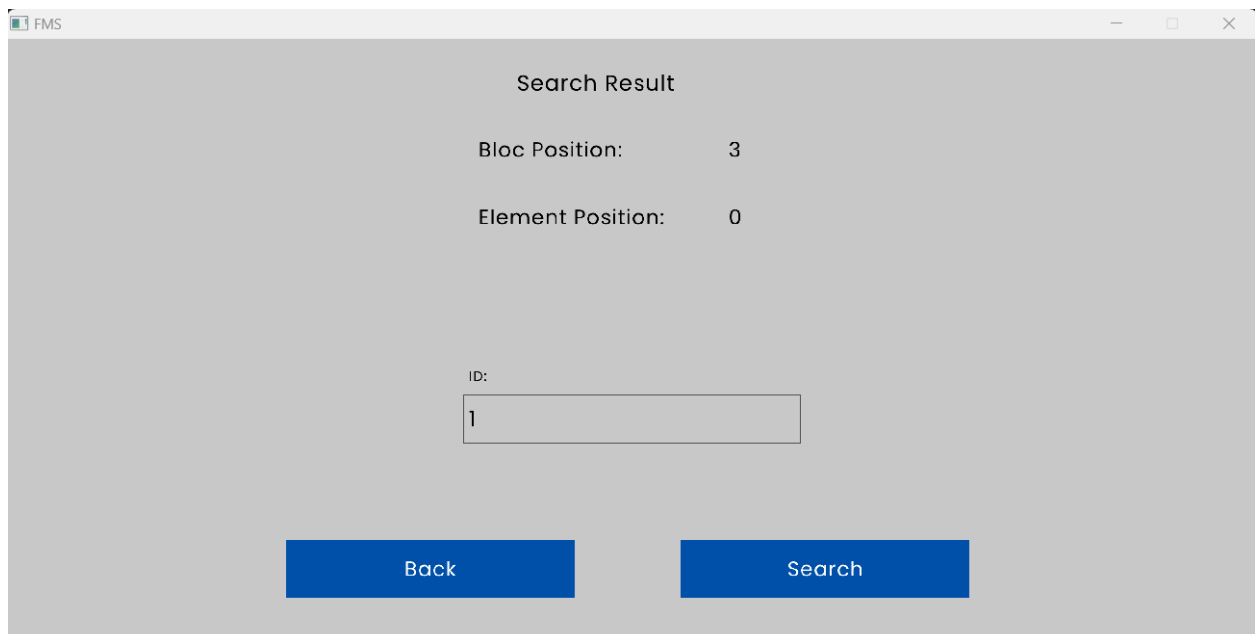
Search option:

Case of element doesn't exist



A screenshot of a web application window titled 'FMS'. The window has a light gray background. In the center, there is a text input field containing the number '9'. Above the input field, the text 'ID: Element Not Found!' is displayed in red. Below the input field, there are two blue buttons: 'Back' on the left and 'Search' on the right.

Case of element exists



A screenshot of a web application window titled 'FMS'. The window has a light gray background. At the top, the text 'Search Result' is centered. Below it, there are two lines of text: 'Bloc Position: 3' and 'Element Position: 0'. Further down, there is a text input field containing the number '1'. Above the input field, the text 'ID:' is displayed. Below the input field, there are two blue buttons: 'Back' on the left and 'Search' on the right.

Suppression option:

FMS

Element has been deleted successfully

ID:

5

Logical Suppression

Physical Suppression

Back

Add file:

FMS

File has been created

File name:

Delta

Size (Record/Element):

24

Global Organization Mode:

0

Internal Organization Mode:

1

Back

Create

Drag and Drop your file here then PRESS the button below to upload (.csv only)

Upload File

FMS

—

□

×

FILENAME USED

File name:

Delta

Size (Record/Element):

4

Global Organization Mode:

0

Internal Organization Mode:

0

Back

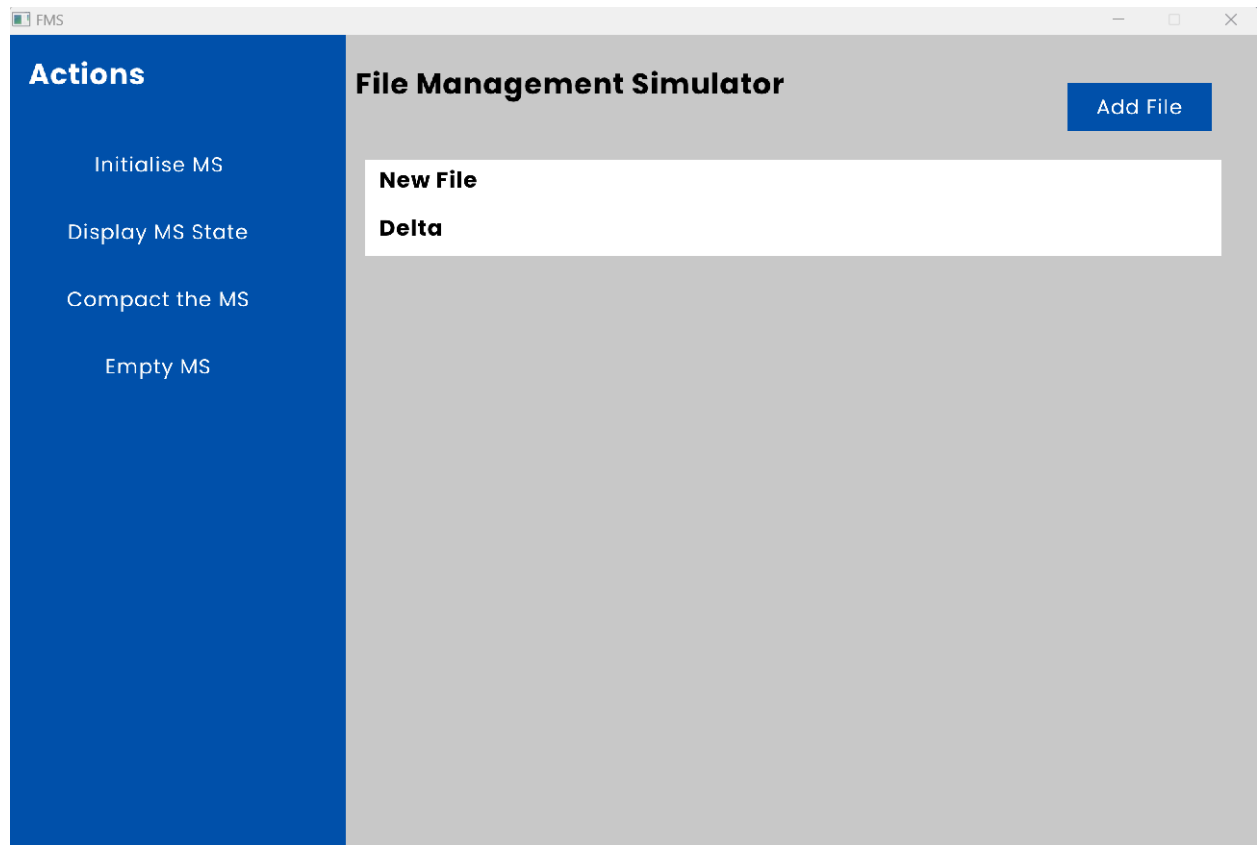
Create

Drag and Drop your file here then PRESS the button below to upload (.csv only)

Upload File

If filename already exists

Home screen after adding a new file:



MS state table:

FMS

Actions

Initialise MS

Display MS State

Compact the MS

Empty MS

File Management Simulator

Add File

Bloc 3 0 element(s)	Bloc 4 0 element(s)	Bloc 5 0 element(s)	Bloc 6 0 element(s)	Bloc 7 0 element(s)
Bloc 8 0 element(s)	Bloc 9 0 element(s)	Bloc 10 0 element(s)	Bloc 11 0 element(s)	Bloc 12 0 element(s)
Bloc 13 0 element(s)	Bloc 14 0 element(s)	Bloc 15 0 element(s)	Bloc 16 0 element(s)	Bloc 17 0 element(s)
Bloc 18 0 element(s)	Bloc 19 0 element(s)	Bloc 20 0 element(s)	Bloc 21 0 element(s)	Bloc 22 0 element(s)

Back

Free MS

FMS

Actions

Initialise MS

Display MS State

Compact the MS

Empty MS

File Management Simulator

Add File

Bloc 3 New File 9 element(s)	Bloc 4 New File 1 element(s)	Bloc 5 DeltaX 10 element(s)	Bloc 6 DeltaX 10 element(s)	Bloc 7 DeltaX 4 element(s)
Bloc 8 0 element(s)	Bloc 9 0 element(s)	Bloc 10 0 element(s)	Bloc 11 0 element(s)	Bloc 12 0 element(s)
Bloc 13 0 element(s)	Bloc 14 0 element(s)	Bloc 15 0 element(s)	Bloc 16 0 element(s)	Bloc 17 0 element(s)
Bloc 18 0 element(s)	Bloc 19 0 element(s)	Bloc 20 0 element(s)	Bloc 21 0 element(s)	Bloc 22 0 element(s)

Back

Occupied MS

FMS

Actions

Initialise MS

Display MS State

Compact the MS

Empty MS

File Management Simulator

Add File

Bloc 3 New File 10 element(s)	Bloc 4 0 element(s)	Bloc 5 Delta 0 element(s)	Bloc 6 Delta 10 element(s)	Bloc 7 Delta 10 element(s)
Bloc 8 0 element(s)	Bloc 9 0 element(s)	Bloc 10 0 element(s)	Bloc 11 0 element(s)	Bloc 12 0 element(s)
Bloc 13 0 element(s)	Bloc 14 0 element(s)	Bloc 15 0 element(s)	Bloc 16 0 element(s)	Bloc 17 0 element(s)
Bloc 18 0 element(s)	Bloc 19 0 element(s)	Bloc 20 0 element(s)	Bloc 21 0 element(s)	Bloc 22 0 element(s)

Back

After Suppression

FMS

Actions

Initialise MS

Display MS State

Compact the MS

Empty MS

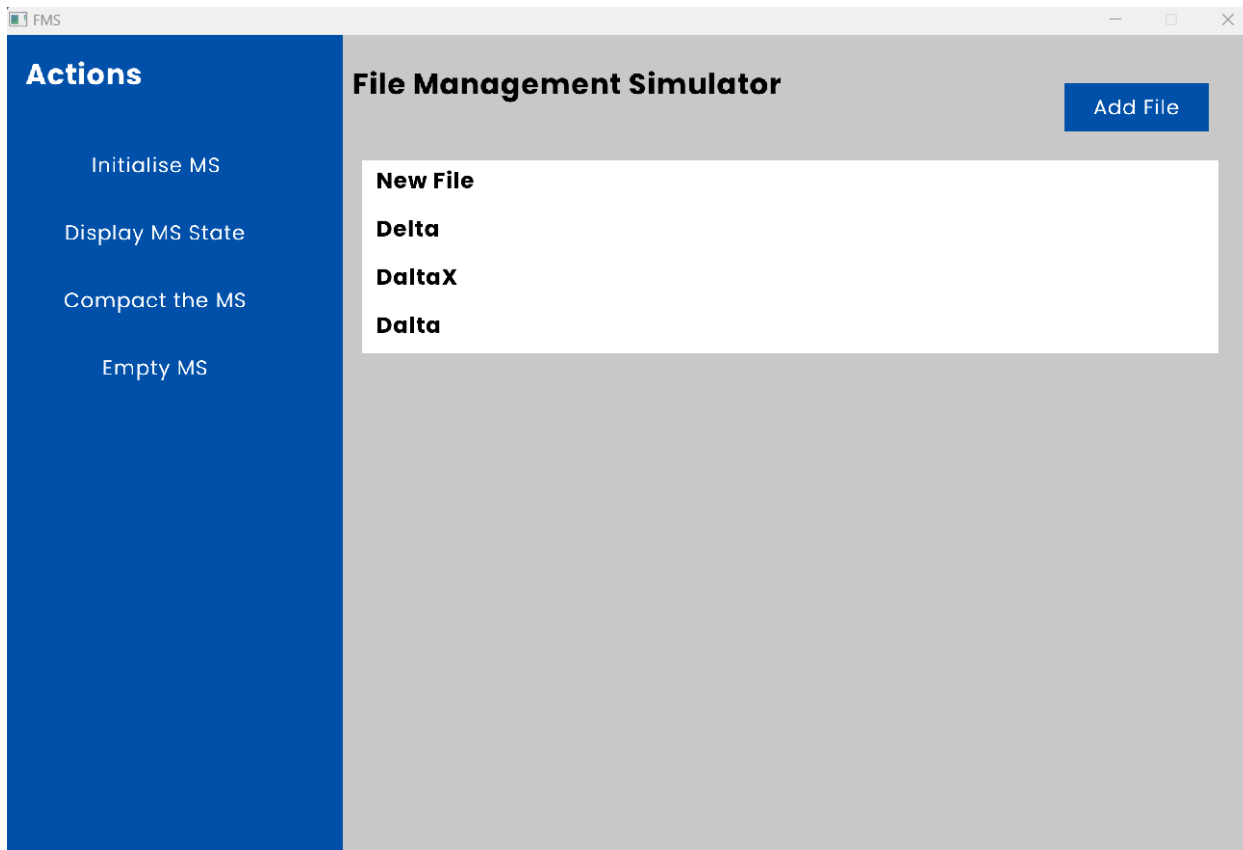
File Management Simulator

Add File

Bloc 3 New File 0 element(s)	Bloc 4 Delta 10 element(s)	Bloc 5 10 element(s)	Bloc 6 Delta 4 element(s)	Bloc 7 0 element(s)
Bloc 8 0 element(s)	Bloc 9 0 element(s)	Bloc 10 0 element(s)	Bloc 11 0 element(s)	Bloc 12 0 element(s)
Bloc 13 0 element(s)	Bloc 14 0 element(s)	Bloc 15 0 element(s)	Bloc 16 0 element(s)	Bloc 17 0 element(s)
Bloc 18 0 element(s)	Bloc 19 0 element(s)	Bloc 20 0 element(s)	Bloc 21 0 element(s)	Bloc 22 0 element(s)

Back

After compacting



After adding several files