Restaurant Management System

[Company name] | [Company address]

technical support manual

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## Constructors

### DataRow()

Sets the initial values for the DataRow object.

|  |  |
| --- | --- |
| Variable Name | Default Value |
| m\_next | NULL |
| m\_prev | NULL |
| m\_text | “” |

## Variables

|  |  |  |  |
| --- | --- | --- | --- |
| Variable Name | Data Type | Access Modifier | Description |
| m\_next | DataRow\* | Private | Pointer to the DataRow’s object next DataRow object |
| m\_prev | DataRow\* | Private | Pointer to the DataRow’s object previous DataRow object |
| m\_text | std::string | Private | String that contains the DataRow’s text |

## Methods

|  |  |  |  |
| --- | --- | --- | --- |
| Method Name | Return Type | Access Modifier | Description |
| [getNext](#_getNext()) | DataRow\* | Public const | Gets the next DataRow object |
| [getPrev](#_getPrev()) | DataRow\* | Public const | Gets the previous DataRow object |
| [getText](#_getText()) | std::string | Public const | Gets the text of the current DataRow object |
| [setNext](#_setNext()) | Void | Public | Sets the DataRow object’s next variable |
| [setPrev](#_setPrev()) | Void | Public | Sets the DataRow object’s previous variable |
| [setText](#_setText()) | Void | Public | Sets the DataRow object’s text |

### getNext()

Prototype: DataRow\* getNext() const

Description: Gets the current DataRow object’s next DataRow to link in a linked list.

### getPrev()

Prototype: DataRow\* getPrev() const

Description: Gets the current DataRow object’s previous DataRow to link in a linked list.

### getText()

Prototype: std::string getText()

Description: Gets the current DataRow object’s text field.

### setNext()

Prototype: void setNext(DataRow\*)

Parameters: DataRow\* - Pointer to the DataRow you want to set as the next DataRow to the current DataRow

Description: Sets the current DataRow object’s next DataRow to link in a linked list.

### setPrev()

Prototype: void setPrev(DataRow\*)

Parameters: DataRow\* - Pointer to the DataRow you want to set as the previous DataRow to the current DataRow

Description: Sets the current DataRow object’s previous DataRow to link in a linked list.

### setText()

Prototype: void setText(std::string)

Description: Sets the current DataRow object’s next DataRow to link in a linked list.

Recordset

Remarks

Recordset class requires the DataColumn and DataRow classes.

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## Constructors

### Recordset()

Sets the initial values of the variables in the Recordset Object.

|  |  |
| --- | --- |
| Variable Name | Default Value |
| m\_firstColumn | NULL |
| m\_currentColumn | NULL |
| m\_lastColumn | NULL |
| m\_numRows | 0 |
| m\_numColumns | 0 |
| m\_currentRow | 0 |

## Variables

|  |  |  |  |
| --- | --- | --- | --- |
| Variable Name | Data Type | Access Modifier | Description |
| m\_firstColumn | DataColumn\* | Private | Pointer to the first column in the Recordset object |
| m\_currentColumn | DataColumn\* | Private | Pointer to the current column in the Recordset object |
| m\_lastColumn | DataColumn\* | Private | Pointer to the last column in the Recordset object |
| m\_numRows | Integer | Private | Holds the number of rows in the Recordset object |
| m\_numColumns | Integer | Private | Holds the number of columns in the Recordset object |
| m\_currentRow | Integer | Private | Holds the number of the current row in the Recordset object |