

Feature	Status	Design Pattern	User Manual
Insert Text	Implemented No known bugs as of submission	<ul style="list-style-type: none"> -The InsertHandler utilizes the Chain of Responsibility design pattern -InsertHandler creates an InsertCommand, using the Command design pattern -Inserts using ECVisible (composite design pattern) to handle line breaks -Insertion is handled independent of view, exercising MVC 	<ul style="list-style-type: none"> -Press any alphabetical/symbolic/numeric Key and the character is placed in the current location of the cursor, and the cursor is implemented one space to the right. -If at end of current line, cursor will follow word down to next line
Remove Text	Implemented No known bugs as of submission	<ul style="list-style-type: none"> -The RemoveHandler utilizes the Chain of Responsibility design pattern -RemoveHandler creates a RemoveCommand using the Command design pattern -Inserts using ECVisible (composite design pattern) to handle line breaks -Insertion is handled independent of view, exercising MVC 	<ul style="list-style-type: none"> -Press the 'BACKSPACE' key and the character to the immediate left of the cursor will be deleted and cursor will move one space to the left -If at beginning of line but still in paragraph, last character on above line will be deleted and cursor will move accordingly -If at beginning of a paragraph, the current paragraph will be deleted and appended to prior paragraph -If at the beginning of the first paragraph on page 0, no removal occurs
New Line	Implemented No known bugs as of submission	<ul style="list-style-type: none"> -The NewLineHandler utilizes the Chain of Responsibility Design pattern -NewLineHandler creates a NewLineCommand using the Command design pattern -Inserts using ECVisible (composite design pattern) to handle line breaks 	<ul style="list-style-type: none"> -Press the 'ENTER' key and a new paragraph will be created below the current line -If in middle of paragraph, all characters following the cursor will be removed from current paragraph and added to the new paragraph -If at end of page, will advance to next page -If at beginning of paragraph, entire paragraph will be shifted down and a new paragraph will be made above the paragraph

		-Insertion is handled independent of view, exercising MVC	
Cursor Movement	Implemented No known bugs as of submission	-The CursorHandler utilizes the Chain of Responsibility Design Pattern	<p>-Press the arrow key in the desired direction to increment/decrement the cursor one space along the x or y axis</p> <p>-Down arrow:</p> <p>-If pressed at bottom of page, goes to top of next page.</p> <p>-If pressed at bottom of document, will not proceed.</p> <p>-If the current cursor position along the x-axis exceeds the size of the line below, the cursor moves to the end of the line below.</p> <p>-Up arrow:</p> <p>-If pressed at top of page and page is not 0, goes to bottom of previous page.</p> <p>-If pressed at top of document, will not proceed upwards.</p> <p>-If the cursor position along the x-axis exceeds the size of the line above, the cursor moves to the end of the line above.</p> <p>-Right arrow:</p> <p>-If pressed at end of line, cursor moves to beginning of next line.</p> <p>-If next line is on different page, page is incremented.</p> <p>-Left Arrow:</p> <p>-If pressed at beginning of line, cursor moves to end of above line.</p> <p>-If above line is on different page, page is decremented</p>
Undo/Redo	Implemented No known bugs as of submission	- The UndoHandler and RedoHandler utilizes the Chain of Responsibility Design Pattern	<p>-Press 'CTRL' + 'Z' to undo the last editing action</p> <p>-Press 'CTRL' + 'Y' to redo the last undone editing action</p>

Ethan Hansen

Document Handling/Line break management	Functional No known bugs as of submission	-Composite & MVC	NA
File I/O	Functional No known bugs as of submission	NA	- call as ./EEditorTest filename