Contents

Revision History

Date	Version	Description	Author(s)
21.11.2017	1.0	The first draft	Nimra Ahmed, Yulia Brun, Aleksandra Markovic, Andjela Markovic
22.11.2017	1.1.	Some new tests are added	Nimra Ahmed, Yulia Brun, Aleksandra Markovic, Andjela Markovic
28.11.2017	2.0	New tests are added, some tests are changed, requirement IDs are added, expected coverage is estimated	Nimra Ahmed, Yulia Brun, Aleksandra Markovic, Andjela Markovic
29.11.2017	2.1	Some new tests added, minor changes in expected result of some existing tests	Nimra Ahmed, Yulia Brun, Aleksandra Markovic, Andjela Markovic
2.12.2017	2.2	Some minor changes, adjusting to changes in implementation	Nimra Ahmed, Yulia Brun, Aleksandra Markovic, Andjela Markovic
8.12.2017	2.3	Some changes in Set-ups, Test 2 changed, some typing errors corrected	Nimra Ahmed, Yulia Brun, Aleksandra Markovic, Andjela Markovic
12.12.2017	2.4	Test 63, 66, 67 removed, precondition that a level of the heading should not be empty removed, replace get_title with get_pagetitle, Tests 118 and 132 changed, the newline before </p> removed, % before " in Expected Result inserted	Nimra Ahmed, Yulia Brun, Aleksandra Markovic, Andjela Markovic
17.12.2017	2.5	Expected Result corrected: newlines before , after </tr> and (anchor link) removed, whitespace before alt (image) added	Nimra Ahmed, Yulia Brun, Aleksandra Markovic, Andjela Markovic

1 Public API Overview

1.1 Public classes to be tested

ANCHOR_LINK
BOLD
DOCUMENT
EL_ROW
EXTERNAL_LINK
HEADING
HTMLVISITOR
IMAGE
INTERNAL_LINK
ITALICS
ORDERED_LIST
PARAGRAPH
SNIPPET
TABLE
TEXT
UNDERLINE
UNORDERED_LIST

1.2 Public Routines

ANCHOR_LINK:

make (link:STRING;sentence:STRING)
get_alink:STRING
get_text:STRING
accept(a_visitor:VISITOR):STRING

BOLD:

add_bold(text: STRING)
get_bold
accept (a_visitor: VISITOR): STRING

DOCUMENT:

make(name:STRING;title:STRING)
get_name:STRING
get_pagetitle:STRING
add_element (element : FILE_COMPOSITE)
accept(a_visitor:VISITOR):STRING

EL_ROW:

make
add_row_el (elem : FILE_COMPOSITE)
accept(a_visitor:VISITOR):STRING

EXTERNAL_LINK:

adress (link: STRING; words: STRING)

get_elink: STRING
get_text: STRING
accept (a_visitor: VISITOR): STRING

HEADING:

make (words: STRING; number: INTEGER)
accept (a_visitor: VISITOR): STRING

HTMLVISITOR:

visit_unorderedlist(a_ul:UNORDERED_LIST):STRING
visit_orderedlist(a_ol:ORDERED_LIST):STRING
visit_snippet(a_s:SNIPPET):STRING
visit_heading(a_h:HEADING):STRING
visit_paragraph(a_p:PARAGRAPH):STRING
visit_image(i: IMAGE): STRING
visit_elink(e_l:EXTERNAL_LINK):STRING
visit_ilink(i_l:INTERNAL_LINK):STRING
visit_bold(b:BOLD):STRING
visit_normal(n:TEXT):STRING
visit_italics(i:ITALICS):STRING
visit_underline(u:UNDERLINE):STRING
visit_tablee(t: TABLEE): STRING
visit_elrow(r: EL_ROW):STRING
visit_alink(a_l: ANCHOR_LINK):STRING
visit_document(d:DOCUMENT):STRING
save_document(input_string:STRING; name: STRING)

IMAGE:

picture (text: STRING; desc: STRING)
get_picture: STRING
get_description: STRING
accept (a_visitor: VISITOR): STRING

INTERNAL_LINK:

make (words: STRING; page: DOCUMENT)
get_ilink: STRING
get_text: STRING
accept (a_visitor: VISITOR): STRING

ITALICS:

add_italics (text: STRING)
get_italics: STRING
accept (a_visitor: VISITOR): STRING

ORDERED_LIST:

make
add_point (element : FILE_COMPOSITE)
accept(a_visitor:VISITOR):STRING

PARAGRAPH:

make
add_text(texts:PARAGRAPH_COMPOSITE)
accept(a_visitor:VISITOR):STRING

SNIPPET:

make (user: STRING)
accept (a_visitor: VISITOR): STRING

TABLEE:

make
add_col (eleme : ROW_CONT)
accept(a_visitor:VISITOR):STRING

TEXT:

add_text (text: STRING)
get_normal: STRING
accept (a_visitor: VISITOR): STRING

UNDERLINE:

add_underline (text: STRING)
get_underline: STRING
accept (a_visitor: VISITOR): STRING

UNORDERED_LIST:

make
add_point (element : FILE_COMPOSITE)
accept(a_visitor:VISITOR):STRING

2   Test Suite Description

2.1   Individual Tests

2.1.1   Test_1

Routine(s) under test:	make (link:STRING;sentence:STRING)
Set-up:	None
Tear-down:	None
Test data:	Link name: „link"
	Text of the link: „text"
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 006, R 3.1.1.2 007[1]
Preconditions:	The name of the link should not be empty
	The name of the link should not override 500 characters[2]
	Text of the link should not be empty
	The text of the link should not override 500 characters

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[1] Here and subsequently: corresponding Requirement IDs from the SRS dokument
[2] In this document *character* means a letter, a digit, a punctuation mark or whitespace

Postconditions:	None
Expected Result:	An external anchor link with link "link" and text "text" is created

2.1.2 Test_2

Routine(s) under test:	make (link:STRING;sentence:STRING)
Set-up:	Create a document, create a heading, add the heading to the document
Tear-down:	None
Test data:	name of the document: "name"
	Page title: "page title"
	The text of the heading: "heading 1"
	The level of the heading: 1
	Link name: "heading 1"
	Text of the link: „text"
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 006, R 3.1.1.2 007
Preconditions:	The name of the link should not be empty
	The name of the link should not override 500 characters
	Text of the link should not be empty
	The text of the link should not override 500 characters
Postconditions:	None
Expected Result:	An internal anchor link with link "heading 1" and text "text" is created

2.1.3 Test_3

Routine(s) under test:	make (link:STRING;sentence:STRING)
Set-up:	None
Tear-down:	None
Test data:	Link name: „"
	Text of the link: „text"
Other resources:	R 3.1.1.1 006, R 3.1.1.2 006, R 3.1.1.2 007
Preconditions:	The name of the link should not be empty
	The name of the link should not override 500 characters
	Text of the link should not be empty
	The text of the link should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the name of the link is empty

2.1.4 Test_4

Routine(s) under test:	make (link:STRING;sentence:STRING)
Set-up:	None
Tear-down:	None
Test data:	Link name: „"
	Text of the link: „"
Other resources:	R 3.1.1.1 006, R 3.1.1.2 006, R 3.1.1.2 007
Preconditions:	The name of the link should not be empty
	The name of the link should not override 500 characters
	The text of the link should not be empty
	The text of the link should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the name of the link is empty

2.1.5 Test_5

Routine(s) under test:	make (link:STRING;sentence:STRING)
Set-up:	None
Tear-down:	None

Test data:	Link name: „link"
	Text of the link: „"
Other resources:	R 3.1.1.1 006, R 3.1.1.2 006, R 3.1.1.2 007
Preconditions:	The name of the link should not be empty
	The name of the link should not override 500 characters
	Text of the link should not be empty
	The text of the link should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the text of the link is empty

2.1.6 Test_6

Routine(s) under test:	make (link:STRING;sentence:STRING)
Set-up:	None
Tear-down:	None
Test data:	Link name has 501 character
	Text of the link: „text"
Other resources:	R 3.1.1.1 005, R 3.1.1.2 006, R 3.1.1.2 007
Preconditions:	The name of the link should not be empty
	The name of the link should not override 500 characters
	Text of the link should not be empty
	The text of the link should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the name of the link has more than 500 characters

2.1.7 Test_7

Routine(s) under test:	make (link:STRING;sentence:STRING)
Set-up:	None
Tear-down:	None
Test data:	Link name has 501 character
	Text of the link has 501 character
Other resources:	R 3.1.1.1 005, R 3.1.1.2 006, R 3.1.1.2 007
Preconditions:	The name of the link should not be empty
	The name of the link should not override 500 characters
	Text of the link should not be empty
	The text of the link should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the name of the link has more than 500 characters

2.1.8 Test_8

Routine(s) under test:	make (link:STRING;sentence:STRING)
Set-up:	None
Tear-down:	None
Test data:	Link name: „link"
	Text of the link has 501 character
Other resources:	R 3.1.1.1 005, R 3.1.1.2 006, R 3.1.1.2 007
Preconditions:	The name of the link should not be empty
	The name of the link should not override 500 characters
	Text of the link should not be empty
	The text of the link should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the text of the link has more than 500 characters

2.1.9 Test_9

Routine(s) under test:	make (link:STRING;sentence:STRING)
Set-up:	None
Tear-down:	None
Test data:	Link name: „“
	Text of the link has 501 characters
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 006, R 3.1.1.2 007
Preconditions:	The name of the link should not be empty
	The name of the link should not override 500 characters
	Text of the link should not be empty
	The text of the link should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the name of the link is empty

2.1.10 Test_10

Routine(s) under test:	make (link:STRING;sentence:STRING)
Set-up:	None
Tear-down:	None
Test data:	Link name has 501 characters
	Text of the link: „“
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 006, R 3.1.1.2 007
Preconditions:	The name of the link should not be empty
	The name of the link should not override 500 characters
	Text of the link should not be empty
	The text of the link should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the text of the link is empty

2.1.11 Test_11

Routine(s) under test:	get_alink:STRING
Set-up:	Create an anchor link
Tear-down:	None
Test data:	Link name: „link“
	Text of the link: „text“
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 006, R 3.1.1.2 007
Preconditions:	The name of the link should not be empty
	The name of the link should not override 500 characters
Postconditions:	None
Expected Result:	link

2.1.12 Test_12

Routine(s) under test:	get_alink:STRING
Set-up:	Create an anchor link
Tear-down:	None
Test data:	Link name has 501 character
	Text of the link: „text“
Other resources:	R 3.1.1.1 005, R 3.1.1.2 006, R 3.1.1.2 007
Preconditions:	The name of the link should not be empty
	The name of the link should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the name of the link has more than 500 characters

2.1.13 Test_13

Routine(s) under test:	get_alink:STRING

Set-up:	Create an anchor link
Tear-down:	None
Test data:	Link name: „"
	Text of the link: „text"
Other resources:	R 3.1.1.1 006, R 3.1.1.2 006, R 3.1.1.2 007
Preconditions:	The name of the link should not be empty
	The name of the link should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the name of the link is empty

2.1.14 Test_14

Routine(s) under test:	get_text:STRING
Set-up:	Create an anchor link
Tear-down:	None
Test data:	Link name: „link"
	Text of the link: „text"
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 006, R 3.1.1.2 007
Preconditions:	The text of the link should not be empty
	The text of the link should not override 500 characters
Postconditions:	None
Expected Result:	text

2.1.15 Test_15

Routine(s) under test:	get_text:STRING
Set-up:	Create an anchor link
Tear-down:	None
Test data:	Link name: „link"
	Text of the link has 501 character
Other resources:	R 3.1.1.1 005, R 3.1.1.2 006, R 3.1.1.2 007
Preconditions:	The text of the link should not be empty
	The text of the link should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the text of the link has more than 500 characters

2.1.16 Test_16

Routine(s) under test:	get_text:STRING
Set-up:	Create an anchor link
Tear-down:	None
Test data:	Link name: „link"
	Text of the link: „"
Other resources:	R 3.1.1.1 006, R 3.1.1.2 006, R 3.1.1.2 007
Preconditions:	The text of the link should not be empty
	The text of the link should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the name of the link is empty

2.1.17 Test_17

Routine(s) under test:	accept(a_visitor:VISITOR):STRING (ANCHOR_LINK Class)
	visit_alink(a_l: ANCHOR_LINK):STRING
	get_pagetitle: STRING
	get_alink:STRING
	get_text:STRING
Set-up:	Create a document and an anchor link, add the link to the document, visit the document with HTMLVisitor

Tear-down:	None
Test data:	The name of the document: „name"
	Page title: „page title"
	Link name: „link"
	Text of the link: „text "
Other resources:	R 3.1.1.2 006, R 3.1.1.2 007
Preconditions:	None
Postconditions:	None
Expected Result:	<!DOCTYPE html>%N<html>%N<head>%N<title>page title</title>%N</head>%N<body>%Ntext</body>%N</html>%N

2.1.18 Test_18

Routine(s) under test:	add_bold(text: STRING)
Set-up:	None
Tear-down:	None
Test data:	Text which should be bold: „text"
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 004
Preconditions:	The text string should not be empty
	The text should not override 500 characters
Postconditions:	None
Expected Result:	A bold text with text "text" is created

2.1.19 Test_19

Routine(s) under test:	add_bold(text: STRING)
Set-up:	None
Tear-down:	None
Test data:	Text which should be bold: „"
Other resources:	R 3.1.1.1 006, R 3.1.1.2 004
Preconditions:	The text string should not be empty
	The text should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the text string is empty

2.1.20 Test_20

Routine(s) under test:	add_bold(text: STRING)
Set-up:	None
Tear-down:	None
Test data:	Text which should be bold has 501 characters
Other resources:	R 3.1.1.1 005, R 3.1.1.2 004
Preconditions:	The text string should not be empty
	The text should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the text string has more than 500 characters

2.1.21 Test_21

Routine(s) under test:	get_bold
Set-up:	Create a bold text
Tear-down:	None
Test data:	Text which should be bold: „text"
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 004
Preconditions:	The text string should not be empty
	The text should not override 500 characters
Postconditions:	None
Expected Result:	text

2.1.22 Test_22

Routine(s) under test:	get_bold
Set-up:	Create a bold text
Tear-down:	None
Test data:	Text which should be bold: „"
Other resources:	R 3.1.1.1 006, R 3.1.1.2 004
Preconditions:	The text string should not be empty
	The text should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the text string is empty

2.1.23 Test_23

Routine(s) under test:	get_bold
Set-up:	Create a bold text
Tear-down:	None
Test data:	Text which should be bold has 501 characters
Other resources:	R 3.1.1.1 005, R 3.1.1.2 004
Preconditions:	The text string should not be empty
	The text should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the text string has more than 500 characters

2.1.24 Test_24

Routine(s) under test:	accept (a_visitor: VISITOR): STRING (BOLD Class)
	visit_bold(b:BOLD):STRING
	get_pagetitle: STRING
	get_bold
Set-up:	Create a document, a paragraph and a bold text, add the text to the paragraph and the paragraph to the document, visit the document with HTMLVisitor
Tear-down:	None
Test data:	The name of the document: „name"
	Page title: „page title"
	Text which should be bold: „text"
Other resources:	R 3.1.1.2 004
Preconditions:	None
Postconditions:	None
Expected Result:	<!DOCTYPE html>%N<html>%N<head>%N<title>page title</title>%N</head>%N<body>%N text %N</body>%N</html>%N

2.1.25 Test_25

Routine(s) under test:	make(name:STRING;title:STRING)
Set-up:	None
Tear-down:	None
Test data:	Name of the document: „name"
	Page title: "page title"
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 001
Preconditions:	The name of the document should not be empty
	The page title should not be empty
	The name of the document should not override 500 characters
	The page title should not override 500 characters
Postconditions:	None
Expected Result:	A document with name "name" and page title "page title" is created

2.1.26 Test_26

Routine(s) under test:	make(name:STRING;title:STRING)
Set-up:	None
Tear-down:	None
Test data:	Name of the document: „"
	Page title: "page title"
Other resources:	R 3.1.1.1 006, R 3.1.1.2 001
Preconditions:	The name of the document should not be empty
	The page title should not be empty
	The name of the document should not override 500 characters
	The page title should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the name of the document is empty

2.1.27 Test_27

Routine(s) under test:	make(name:STRING;title:STRING)
Set-up:	None
Tear-down:	None
Test data:	Name of the document: „"
	Page title: „"
Other resources:	R 3.1.1.1 006, R 3.1.1.2 001
Preconditions:	The name of the document should not be empty
	The page title should not be empty
	The name of the document should not override 500 characters
	The page title should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the name of the document is empty

2.1.28 Test_28

Routine(s) under test:	make(name:STRING;title:STRING)
Set-up:	None
Tear-down:	None
Test data:	Name of the document: „name"
	Page title: „"
Other resources:	R 3.1.1.1 006, R 3.1.1.2 001
Preconditions:	The name of the document should not be empty
	The page title should not be empty
	The name of the document should not override 500 characters
	The page title should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the page title is empty

2.1.29 Test_29

Routine(s) under test:	make(name:STRING;title:STRING)
Set-up:	None
Tear-down:	None
Test data:	Name of the document with 501 character
	Page title: "page title"
Other resources:	R 3.1.1.1 005, R 3.1.1.2 001
Preconditions:	The name of the document should not be empty
	The page title should not be empty
	The name of the document should not override 500 characters
	The page title should not override 500 characters
Postconditions:	None

Expected Result:	Precondition Violation: the name of the document has more than 500 characters

2.1.30 Test_30

Routine(s) under test:	make(name:STRING;title:STRING)
Set-up:	None
Tear-down:	None
Test data:	Name of the document with 501 character
	Page title with 501 characters
Other resources:	R 3.1.1.1 005, R 3.1.1.2 001
Preconditions:	The name of the document should not be empty
	The page title should not be empty
	The name of the document should not override 500 characters
	The page title should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the name of the document has more than 500 characters

2.1.31 Test_31

Routine(s) under test:	make(name:STRING;title:STRING)
Set-up:	None
Tear-down:	None
Test data:	Name of the document: „name"
	Page title with 501 characters
Other resources:	R 3.1.1.1 005, R 3.1.1.2 001
Preconditions:	The name of the document should not be empty
	The page title should not be empty
	The name of the document should not override 500 characters
	The page title should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the page title has more than 500 characters

2.1.32 Test_32

Routine(s) under test:	make(name:STRING;title:STRING)
Set-up:	None
Tear-down:	None
Test data:	Name of the document: „"
	Page title has 501 characters
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 001
Preconditions:	The name of the document should not be empty
	The page title should not be empty
	The name of the document should not override 500 characters
	The page title should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the name of the document is empty

2.1.33 Test_33

Routine(s) under test:	make(name:STRING;title:STRING)
Set-up:	None
Tear-down:	None
Test data:	Name of the document has 501 characters
	Page title: „"
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 001
Preconditions:	The name of the document should not be empty
	The page title should not be empty

The name of the document should not override 500 characters
The page title should not override 500 characters

Postconditions: None
Expected Result: Precondition Violation: the page title is empty

2.1.34 Test_34

Routine(s) under test: get_name:STRING
Set-up: Create a document
Tear-down: None
Test data: Name of the document: „name"
                            Page title: "page title"
Other resources: R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 001
Preconditions: The name of the document should not be empty
                            The name of the document should not override 500 characters
Postconditions: None
Expected Result: name

2.1.35 Test_35

Routine(s) under test: get_name:STRING
Set-up: Create a document
Tear-down: None
Test data: Name of the document: „"
                            Page title: "page title"
Other resources: R 3.1.1.1 006, R 3.1.1.2 001
Preconditions: The name of the document should not be empty
                            The name of the document should not override 500 characters
Postconditions: None
Expected Result: Precondition Violation: the name of the document is empty

2.1.36 Test_36

Routine(s) under test: get_name:STRING
Set-up: Create a document
Tear-down: None
Test data: Name of the document with 501 characters
                            Page title: "page title"
Other resources: R 3.1.1.1 005, R 3.1.1.2 001
Preconditions: The name of the document should not be empty
                            The name of the document should not override 500 characters
Postconditions: None
Expected Result: Precondition Violation: the name of the document has more than
                            500 characters

2.1.37 Test_37

Routine(s) under test: get_pagetitle:STRING
Set-up: Create a document
Tear-down: None
Test data: Name of the document: „name"
                            Page title: "page title"
Other resources: R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 001
Preconditions: The page title should not be empty
                            The page title should not override 500 characters
Postconditions: None
Expected Result: page title

2.1.38 Test_38

Routine(s) under test:	get_pagetitle:STRING
Set-up:	Create a document
Tear-down:	None
Test data:	Name of the document: „name"
	Page title: ""
Other resources:	R 3.1.1.1 006, R 3.1.1.2 001
Preconditions:	The page title should not be empty
	The page title should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the page title is empty

2.1.39 Test_39

Routine(s) under test:	get_pagetitle:STRING
Set-up:	Create a document
Tear-down:	None
Test data:	Name of the document: „name"
	Page title with 501 characters
Other resources:	R 3.1.1.1 005, R 3.1.1.2 001
Preconditions:	The page title should not be empty
	The page title should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the page title has more than 500 characters

2.1.40 Test_40

Routine(s) under test:	add_element (element : FILE_COMPOSITE)
Set-up:	Create a document, two texts and two paragraphs
Test data:	Text of the first paragraph: „text 1"
	Text of the second paragraph: „text 2"
Other resources:	R 3.1.1.2 001
Preconditions:	None
Postconditions:	The last added element is the last element of the document
Expected Result:	The document contains paragraph "text 1" and paragraph "text 2"

2.1.41 Test_41

Routine(s) under test:	visit_document(d:DOCUMENT):STRING
	accept(a_visitor:VISITOR):STRING (DOCUMENT Class)
	get_pagetitle: STRING
	get_normal: STRING
Set-up:	Create a document, a paragraph and a text, add the text to the paragraph and the paragraph to the document
Tear-down:	None
Test data:	The name of the document: „name"
	Page title: „page title"
	Text of the paragraph: „text"
Other resources:	R 3.1.1.2 001, R 3.1.1.1 002
Preconditions:	None
Postconditions:	None
Expected Result:	<!DOCTYPE html>%N<html>%N<head>%N<title>page title</title>%N</head>%N<body>%N text %N</body>%N</html>%N

2.1.42 Test_42

Routine(s) under test:	make (EL_ROW Class)
Set-up:	None

Tear-down: None
Test data: None
Other resources: R 3.1.1.2 009
Preconditions: None
Postconditions: The row should be empty
Expected Result: An empty row is created

2.1.43 Test_43

Routine(s) under test: add_row_el (elem : FILE_COMPOSITE)
Set-up: Create a row and two texts
Tear-down: None
Test data: Texts: „item 1" and „item 2"
Other resources: R 3.1.1.2 009
Preconditions: None
Postconditions: The last added element is the last element of the row
Expected Result: The row contains „item 1" and „item 2"

2.1.44 Test_44

Routine(s) under test: visit_elrow(r: EL_ROW):STRING
                          accept(a_visitor:VISITOR):STRING (EL_ROW Class)
                          get_pagetitle: STRING
                          get_normal: STRING
Set-up: Create a document, a row, two texts, and a table, add the texts to the row, the row to the table and the table to the document, visit the document with HTMLVisitor
Tear-down: None
Test data: The name of the document: „name"
                          Page title: „page title"
                          Texts: „item 1" and „item 2"
Other resources: R 3.1.1.2 009
Preconditions: None
Postconditions: None
Expected Result: <!DOCTYPE html>%N<html>%N<head>%N<title>page title</title>%N</head>%N<body>%N<table>%N<tr><td>item 1</td><td>item 2</td></tr>%N</table>%N</body>%N</html>%N

2.1.45 Test_45

Routine(s) under test: adress (link: STRING; words: STRING)
Set-up: None
Tear-down: None
Test data: Link name: „link"
                          Text of the link: „text"
Other resources: R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 007, R 3.1.1.2 005
Preconditions: The name of the link should not be empty
                          Text of the link should not be empty
                          The name of the link should not override 500 characters
                          Text of the link should not override 500 characters
Postconditions: None
Expected Result: An external link with link name "link" and text "text" is created

2.1.46 Test_46

Routine(s) under test: adress (link: STRING; words: STRING)
Set-up: None
Tear-down: None

Test data: Link name: „“
Text of the link: „text“
Other resources: R 3.1.1.1 006, R 3.1.1.2 007, R 3.1.1.2 005
Preconditions: The name of the link should not be empty
Text of the link should not be empty
The name of the link should not override 500 characters
Text of the link should not override 500 characters
Postconditions: None
Expected Result: Precondition Violation: the name of the link is empty

2.1.47 Test_47

Routine(s) under test: adress (link: STRING; words: STRING)
Set-up: None
Tear-down: None
Test data: Link name: „“
Text of the link: „“
Other resources: R 3.1.1.1 006, R 3.1.1.2 007, R 3.1.1.2 005
Preconditions: The name of the link should not be empty
Text of the link should not be empty
The name of the link should not override 500 characters
Text of the link should not override 500 characters
Postconditions: None
Expected Result: Precondition Violation: the name of the link is empty

2.1.48 Test_48

Routine(s) under test: adress (link: STRING; words: STRING)
Set-up: None
Tear-down: None
Test data: Link name: „link“
Text of the link: „ “
Other resources: R 3.1.1.1 006, R 3.1.1.2 007, R 3.1.1.2 005
Preconditions: The name of the link should not be empty
Text of the link should not be empty
The name of the link should not override 500 characters
Text of the link should not override 500 characters
Postconditions: None
Expected Result: Precondition Violation: the text of the link is empty

2.1.49 Test_49

Routine(s) under test: adress (link: STRING; words: STRING)
Set-up: None
Tear-down: None
Test data: Link name with 501 characters
Text of the link: „text“
Other resources: R 3.1.1.1 005, R 3.1.1.2 007, R 3.1.1.2 005
Preconditions: The name of the link should not be empty
Text of the link should not be empty
The name of the link should not override 500 characters
Text of the link should not override 500 characters
Postconditions: None
Expected Result: Precondition Violation: the name of the link has more than 500
characters

2.1.50 Test_50

Routine(s) under test: adress (link: STRING; words: STRING)

Set-up:	None
Tear-down:	None
Test data:	Link name: „link"
	Text of the link with 501 characters
Other resources:	R 3.1.1.1 005, R 3.1.1.2 007, R 3.1.1.2 005
Preconditions:	The name of the link should not be empty
	Text of the link should not be empty
	The name of the link should not override 500 characters
	Text of the link should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the text of the link has more than 500 characters

2.1.51 Test_51

Routine(s) under test:	adress (link: STRING; words: STRING)
Set-up:	None
Tear-down:	None
Test data:	Link name with 501 characters
	Text of the link with 501 characters
Other resources:	R 3.1.1.1 005, R 3.1.1.2 007, R 3.1.1.2 005
Preconditions:	The name of the link should not be empty
	Text of the link should not be empty
	The name of the link should not override 500 characters
	Text of the link should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the name of the link has more than 500 characters

2.1.52 Test_52

Routine(s) under test:	adress (link: STRING; words: STRING)
Set-up:	None
Tear-down:	None
Test data:	Link name with 501 characters
	Text of the link: „"
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 007, R 3.1.1.2 005
Preconditions:	The name of the link should not be empty
	Text of the link should not be empty
	The name of the link should not override 500 characters
	Text of the link should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the text of the link is empty

2.1.53 Test_53

Routine(s) under test:	adress (link: STRING; words: STRING)
Set-up:	None
Tear-down:	None
Test data:	Link name: „"
	Text of the link with 501 characters
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 007, R 3.1.1.2 005
Preconditions:	The name of the link should not be empty
	Text of the link should not be empty
	The name of the link should not override 500 characters
	Text of the link should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the name of the link is empty

2.1.54   Test_54

Routine(s) under test:	get_elink: STRING
Set-up:	Create an external link
Tear-down:	None
Test data:	Link name: „link"
	Text of the link: „text"
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 007
Preconditions:	The name of the link should not be empty
	The name of the link should not override 500 characters
Postconditions:	None
Expected Result:	link

2.1.55   Test_55

Routine(s) under test:	get_elink: STRING
Set-up:	Create an external link
Tear-down:	None
Test data:	Link name: „"
	Text of the link: „text"
Other resources:	R 3.1.1.1 006, R 3.1.1.2 007
Preconditions:	The name of the link should not be empty
	The name of the link should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the name of the link is empty

2.1.56   Test_56

Routine(s) under test:	get_elink: STRING
Set-up:	Create an external link
Tear-down:	None
Test data:	Link name with 501 characters
	Text of the link: „text"
Other resources:	R 3.1.1.1 005, R 3.1.1.2 007
Preconditions:	The name of the link should not be empty
	The name of the link should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the name of the link has more than 500 characters

2.1.57   Test_57

Routine(s) under test:	get_text: STRING
Set-up:	Create an external link
Tear-down:	None
Test data:	Link name: „link"
	Text of the link: „text"
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 007
Preconditions:	Text of the link should not be empty
	Text of the link should not override 500 characters
Postconditions:	None
Expected Result:	text

2.1.58   Test_58

Routine(s) under test:	get_text: STRING
Set-up:	Create an external link
Tear-down:	None
Test data:	Link name: „link"
	Text of the link: „"

Other resources:	R 3.1.1.1 006, R 3.1.1.2 007
Preconditions:	Text of the link should not be empty
	Text of the link should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the text of the link is empty

2.1.59 Test_59

Routine(s) under test:	get_text: STRING
Set-up:	Create an external link
Tear-down:	None
Test data:	Link name: „link"
	Text of the link with 501 characters
Other resources:	R 3.1.1.1 005, R 3.1.1.2 007
Preconditions:	Text of the link should not be empty
	Text of the link should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the text of the link has more than 500 characters

2.1.60 Test_60

Routine(s) under test:	visit_elink(e_l:EXTERNAL_LINK):STRING
	accept (a_visitor: VISITOR): STRING (EXTERNAL_LINK Class)
	get_pagetitle: STRING
	get_elink: STRING
	get_text: STRING
Set-up:	Create a document and an external link, add the link to the document, visit the document with HTMLVisitor
Tear-down:	None
Test data:	The name of the document: „name"
	Page title: „page title"
	Link name: „link"
	Target of the link: „text"
Other resources:	R 3.1.1.2 007
Preconditions:	None
Postconditions:	None
Expected Result:	<!DOCTYPE html>%N<html>%N<head>%N<title>page title</title>%N</head>%N<body>%Ntext%N</body>%N</html>%N

2.1.61 Test_61

Routine(s) under test:	make (words: STRING; number: INTEGER)
Set-up:	None
Tear-down:	None
Test data:	The text of the heading: „heading"
	The level of the heading: 2
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 003
Preconditions:	The text of the heading should not be empty
	The text of the heading should not override 500 characters
	The level should be an integer greater than 0 (exclusive 0)
	The level should be an integer less than 6 (inclusive 6)
Postconditions:	None
Expected Result:	A level 2 heading with text "heading" is created

2.1.62 Test_62

| Routine(s) under test: | make (words: STRING; number: INTEGER) |

Set-up: None
Tear-down: None
Test data: The text of the heading: „"
The level of the heading: 2
Other resources: R 3.1.1.1 006, R 3.1.1.2 003
Preconditions: The text of the heading should not be empty
The text of the heading should not override 500 characters
The level should be an integer greater than 0 (exclusive 0)
The level should be an integer less than 6 (inclusive 6)
Postconditions: None
Expected Result: Precondition Violation: the text of the heading is empty

2.1.63 Test_64

Routine(s) under test: make (words: STRING; number: INTEGER)
Set-up: None
Tear-down: None
Test data: The text of the heading: „"
The level of the heading: 0
Other resources: R 3.1.1.1 006, R 3.1.1.2 003
Preconditions: The text of the heading should not be empty
The text of the heading should not override 500 characters
The level should be an integer greater than 0 (exclusive 0)
The level should be an integer less than 6 (inclusive 6)
Postconditions: None
Expected Result: Precondition Violation: the text of the heading is empty

2.1.64 Test_65

Routine(s) under test: make (words: STRING; number: INTEGER)
Set-up: None
Tear-down: None
Test data: The text of the heading: „"
The level of the heading: 7
Other resources: R 3.1.1.1 006, R 3.1.1.2 003
Preconditions: The text of the heading should not be empty
The text of the heading should not override 500 characters
The level should be an integer greater than 0 (exclusive 0)
The level should be an integer less than 6 (inclusive 6)
Postconditions: None
Expected Result: Precondition Violation: the text of the heading is empty

2.1.65 Test_68

Routine(s) under test: make (words: STRING; number: INTEGER)
Set-up: None
Tear-down: None
Test data: The text of the heading with 501 characters
The level of the heading: 2
Other resources: R 3.1.1.1 005, R 3.1.1.2 003
Preconditions: The text of the heading should not be empty
The text of the heading should not override 500 characters
The level should be an integer greater than 0 (exclusive 0)
The level should be an integer less than 6 (inclusive 6)
Postconditions: None
Expected Result: Precondition Violation: the text of the heading has more than 500 characters

2.1.66 Test_69

Routine(s) under test:	make (words: STRING; number: INTEGER)
Set-up:	None
Tear-down:	None
Test data:	The text of the heading with 501 characters
	The level of the heading: 0
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 003
Preconditions:	The text of the heading should not be empty
	The text of the heading should not override 500 characters
	The level should be an integer greater than 0 (exclusive 0)
	The level should be an integer less than 6 (inclusive 6)
Postconditions:	None
Expected Result:	Precondition Violation: text of the heading has more than 500 characters

2.1.67 Test_70

Routine(s) under test:	make (words: STRING; number: INTEGER)
Set-up:	None
Tear-down:	None
Test data:	The text of the heading with 501 characters
	The level of the heading: 7
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 003
Preconditions:	The text of the heading should not be empty
	The text of the heading should not override 500 characters
	The level should be an integer greater than 0 (exclusive 0)
	The level should be an integer less than 6 (inclusive 6)
Postconditions:	None
Expected Result:	Precondition Violation: text of the heading has more than 500 characters

2.1.68 Test_71

Routine(s) under test:	make (words: STRING; number: INTEGER)
Set-up:	None
Tear-down:	None
Test data:	The text of the heading: „heading"
	The level of the heading: 0
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 003
Preconditions:	The text of the heading should not be empty
	The text of the heading should not override 500 characters
	The level should be an integer greater than 0 (exclusive 0)
	The level should be an integer less than 6 (inclusive 6)
Postconditions:	None
Expected Result:	Precondition Violation: the level of the heading is less than 1

2.1.69 Test_72

Routine(s) under test:	make (words: STRING; number: INTEGER)
Set-up:	None
Tear-down:	None
Test data:	The text of the heading: „heading"
	The level of the heading: 7
Other resources:	R 3.1.1.1 006, R 3.1.1.2 003
Preconditions:	The text of the heading should not be empty
	The text of the heading should not override 500 characters
	The level should be an integer greater than 0 (exclusive 0)
	The level should be an integer less than 6 (inclusive 6)

Postconditions:	None
Expected Result:	Precondition Violation: the level of the heading is greater than 6

2.1.70 Test_73

Routine(s) under test:	visit_heading(a_h:HEADING):STRING
	accept (a_visitor: VISITOR): STRING (HEADING Class)
	get_pagetitle: STRING
Set-up:	Create a document, create a heading, add the heading to the document and visit the document with the HTMLVisitor
Tear-down:	None
Test data:	The name of the document: „name"
	Page title: „page title"
	The text of the heading: „heading"
	The level of the heading: 2
Other resources:	R 3.1.1.2 003
Preconditions:	None
Postconditions:	None
Expected Result:	<!DOCTYPE html>%N<html>%N<head>%N<title>page title</title>%N</head>%N<body>%N<h2 id=%"heading%">heading</h2>%N</body>%N</html>%N

2.1.71 Test_74

Routine(s) under test:	picture (text: STRING; desc: STRING)
Set-up:	None
Tear-down:	None
Test data:	The link to the image: „pic.jpg"
	The description of the image: „description"
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 010
Preconditions:	The link to the image should not be empty
	The description of the image should not be empty
	The link to the image should not override 500 characters
	The description of the image should not override 500 characters
Postconditions:	None
Expected Result:	An element with the link "pic.jpg" to the image and with the description of the image "description" is created

2.1.72 Test_75

Routine(s) under test:	picture (text: STRING; desc: STRING)
Set-up:	None
Tear-down:	None
Test data:	The link to the image: „"
	The description of the image: „description"
Other resources:	R 3.1.1.1 006, R 3.1.1.2 010
Preconditions:	The link to the image should not be empty
	The description of the image should not be empty
	The link to the image should not override 500 characters
	The description of the image should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the link to the image is empty

2.1.73 Test_76

Routine(s) under test:	picture (text: STRING; desc: STRING)
Set-up:	None
Tear-down:	None
Test data:	The link to the image: „"

	The description of the image: „ "
Other resources:	R 3.1.1.1 006, R 3.1.1.2 010
Preconditions:	The link to the image should not be empty
	The description of the image should not be empty
	The link to the image should not override 500 characters
	The description of the image should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the link to the image is empty

2.1.74 Test_77

Routine(s) under test:	picture (text: STRING; desc: STRING)
Set-up:	None
Tear-down:	None
Test data:	The link to the image: „pic.jpg"
	The description of the image: „ "
Other resources:	R 3.1.1.1 006, R 3.1.1.2 010
Preconditions:	The link to the image should not be empty
	The description of the image should not be empty
	The link to the image should not override 500 characters
	The description of the image should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the description of the image is empty

2.1.75 Test_78

Routine(s) under test:	picture (text: STRING; desc: STRING)
Set-up:	None
Tear-down:	None
Test data:	The link to the image with 501 characters
	The description of the image: „description"
Other resources:	R 3.1.1.1 005, R 3.1.1.2 010
Preconditions:	The link to the image should not be empty
	The description of the image should not be empty
	The link to the image should not override 500 characters
	The description of the image should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the link to the image has more than 500 characters

2.1.76 Test_79

Routine(s) under test:	picture (text: STRING; desc: STRING)
Set-up:	None
Tear-down:	None
Test data:	The link to the image with 501 characters
	The description of the image with 501 characters
Other resources:	R 3.1.1.1 005, R 3.1.1.2 010
Preconditions:	The link to the image should not be empty
	The description of the image should not be empty
	The link to the image should not override 500 characters
	The description of the image should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the link to the image has more than 500 characters

2.1.77 Test_80

Routine(s) under test:	picture (text: STRING; desc: STRING)

Set-up:	None
Tear-down:	None
Test data:	The link to the image: „pic.jpg"
	The description of the image with 501 characters
Other resources:	R 3.1.1.1 005, R 3.1.1.2 010
Preconditions:	The link to the image should not be empty
	The description of the image should not be empty
	The link to the image should not override 500 characters
	The description of the image should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the description of the image has more than 500 characters

2.1.78 Test_81

Routine(s) under test:	picture (text: STRING; desc: STRING)
Set-up:	None
Tear-down:	None
Test data:	The link to the image with 501 characters
	The description of the image: „"
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 010
Preconditions:	The link to the image should not be empty
	The description of the image should not be empty
	The link to the image should not override 500 characters
	The description of the image should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the description of the image is empty

2.1.79 Test_82

Routine(s) under test:	picture (text: STRING; desc: STRING)
Set-up:	None
Tear-down:	None
Test data:	The link to the image: „"
	The description of the image with 501 characters
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 010
Preconditions:	The link to the image should not be empty
	The description of the image should not be empty
	The link to the image should not override 500 characters
	The description of the image should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the link to the image is empty

2.1.80 Test_83

Routine(s) under test:	get_picture: STRING
Set-up:	Create an image element
Tear-down:	None
Test data:	The link to the image: „pic.jpg"
	The description of the image: „description"
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 010
Preconditions:	The link to the image should not be empty
	The link to the image should not override 500 characters
Postconditions:	None
Expected Result:	pic.jpg

2.1.81 Test_84

Routine(s) under test:	get_picture: STRING

Set-up:	Create an image element
Tear-down:	None
Test data:	The link to the image: „"
	The description of the image: „description"
Other resources:	R 3.1.1.1 006, R 3.1.1.2 010
Preconditions:	The link to the image should not be empty
	The link to the image should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the link to the image is empty

2.1.82 Test_85

Routine(s) under test:	get_picture: STRING
Set-up:	Create an image element
Tear-down:	None
Test data:	The link to the image with 501 character
	The description of the image: „description"
Other resources:	R 3.1.1.1 005, R 3.1.1.2 010
Preconditions:	The link to the image should not be empty
	The link to the image should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the link to the image has more than 500 characters

2.1.83 Test_86

Routine(s) under test:	get_description: STRING
Set-up:	Create an image element
Tear-down:	None
Test data:	The link to the image: „pic.jpg"
	The description of the image: „description"
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 010
Preconditions:	The description of the image should not be empty
	The description of the image should not override 500 characters
Postconditions:	None
Expected Result:	description

2.1.84 Test_87

Routine(s) under test:	get_description: STRING
Set-up:	Create an image element
Tear-down:	None
Test data:	The link to the image: „pic.jpg"
	The description of the image: „"
Other resources:	R 3.1.1.1 006, R 3.1.1.2 010
Preconditions:	The description of the image should not be empty
	The description of the image should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the description of the image is empty

2.1.85 Test_88

Routine(s) under test:	get_description: STRING
Set-up:	Create an image element
Tear-down:	None
Test data:	The link to the image: „pic.jpg"
	The description of the image with 501 characters
Other resources:	R 3.1.1.1 005, R 3.1.1.2 010
Preconditions:	The description of the image should not be empty

The description of the image should not override 500 characters

Postconditions: None
Expected Result: Precondition Violation: the description of the image has more than 500 characters

2.1.86 Test_89

Routine(s) under test: visit_image(i: IMAGE): STRING
accept (a_visitor: VISITOR): STRING (IMAGE Class)
get_pagetitle: STRING
get_picture: STRING
get_description: STRING
Set-up: Create a document, create an image element, add it to the document and visit the document with the HTMLVisitor
Tear-down: None
Test data: The name of the document: „name"
Page title: „page title"
The link to the image: „pic.jpg"
The description of the image: „description"
Other resources: R 3.1.1.2 010
Preconditions: None
Postconditions: None
Expected Result: <!DOCTYPE html>%N<html>%N<head>%N<title>page title</title>%N</head>%N<body>%N<img src=%"pic.jpg%" alt=%"description%">%N</body>%N</html>%N

2.1.87 Test_90

Routine(s) under test: make (words: STRING; page: DOCUMENT)
get_name:STRING
Set-up: Create a document
Tear-down: None
Test data: The name of the document: „document"
The text of the link: „text"
Other resources: R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 006
Preconditions: The name of the document should not be empty
The text of the link should not be empty
The name of the document should not override 500 characters
The text of the link should not override 500 characters
Postconditions: None
Expected Result: An internal link with link "document" and text "text" is created

2.1.88 Test_91

Routine(s) under test: make (words: STRING; page: DOCUMENT)
get_name:STRING
Set-up: Create a document
Tear-down: None
Test data: The name of the document: „"
The text of the link: „text"
Other resources: R 3.1.1.1 006, R 3.1.1.2 006
Preconditions: The name of the document should not be empty
The text of the link should not be empty
The name of the document should not override 500 characters
The text of the link should not override 500 characters
Postconditions: None
Expected Result: Precondition Violation: the name of the document is empty

2.1.89 Test_92

Routine(s) under test:	make (words: STRING; page: DOCUMENT)
	get_name:STRING
Set-up:	Create a document
Tear-down:	None
Test data:	The name of the document: „"
	The text of the link: „"
Other resources:	R 3.1.1.1 006, R 3.1.1.2 006
Preconditions:	The name of the document should not be empty
	The text of the link should not be empty
	The name of the document should not override 500 characters
	The text of the link should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the name of the document is empty

2.1.90 Test_93

Routine(s) under test:	make (words: STRING; page: DOCUMENT)
	get_name:STRING
Set-up:	Create a document
Tear-down:	None
Test data:	The name of the document: „document"
	The text of the link: „"
Other resources:	R 3.1.1.1 006, R 3.1.1.2 006
Preconditions:	The name of the document should not be empty
	The text of the link should not be empty
	The name of the document should not override 500 characters
	The text of the link should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the text of the link is empty

2.1.91 Test_94

Routine(s) under test:	make (words: STRING; page: DOCUMENT)
	get_name:STRING
Set-up:	Create a document
Tear-down:	None
Test data:	The name of the document with 501 characters
	The text of the link: „text"
Other resources:	R 3.1.1.1 005, R 3.1.1.2 006
Preconditions:	The name of the document should not be empty
	The text of the link should not be empty
	The name of the document should not override 500 characters
	The text of the link should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the name of the document has more than 500 characters

2.1.92 Test_95

Routine(s) under test:	make (words: STRING; page: DOCUMENT)
	get_name:STRING
Set-up:	Create a document
Tear-down:	None
Test data:	The name of the document with 501 characters
	The text of the link with 501 characters
Other resources:	R 3.1.1.1 005, R 3.1.1.2 006
Preconditions:	The name of the document should not be empty

The text of the link should not be empty
The name of the document should not override 500 characters
The text of the link should not override 500 characters

Postconditions: None
Expected Result: Precondition Violation: the name of the document has more than 500 characters

2.1.93 Test_96

Routine(s) under test: make (words: STRING; page: DOCUMENT)
get_name:STRING
Set-up: Create a document
Tear-down: None
Test data: The name of the document: „document"
The text of the link with 501 characters
Other resources: R 3.1.1.1 005, R 3.1.1.2 006
Preconditions: The name of the document should not be empty
The text of the link should not be empty
The name of the document should not override 500 characters
The text of the link should not override 500 characters
Postconditions: None
Expected Result: Precondition Violation: the text of the link has more than 500 characters

2.1.94 Test_97

Routine(s) under test: make (words: STRING; page: DOCUMENT)
get_name:STRING
Set-up: Create a document
Tear-down: None
Test data: The name of the document: „"
The text of the link with 501 characters
Other resources: R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 006
Preconditions: The name of the document should not be empty
The text of the link should not be empty
The name of the document should not override 500 characters
The text of the link should not override 500 characters
Postconditions: None
Expected Result: Precondition Violation: the name of the document is empty

2.1.95 Test_98

Routine(s) under test: make (words: STRING; page: DOCUMENT)
get_name:STRING
Set-up: Create a document
Tear-down: None
Test data: The name of the document with 501 characters
The text of the link: „"
Other resources: R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 006
Preconditions: The name of the document should not be empty
The text of the link should not be empty
The name of the document should not override 500 characters
The text of the link should not override 500 characters
Postconditions: None
Expected Result: Precondition Violation: the text of the link empty

2.1.96 Test_99

Routine(s) under test: get_ilink: STRING

Set-up:	Create a document and an internal link
Tear-down:	None
Test data:	The name of the document: „document"
	The text of the link: „text"
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 006
Preconditions:	The name of the document should not be empty
	The name of the document should not override 500 characters
Postconditions:	None
Expected Result:	document

2.1.97 Test_100

Routine(s) under test:	get_ilink: STRING
Set-up:	Create a document and an internal link
Tear-down:	None
Test data:	The name of the document: „"
	The text of the link: „text"
Other resources:	R 3.1.1.1 006, R 3.1.1.2 006
Preconditions:	The name of the document should not be empty
	The name of the document should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the name of the document is empty

2.1.98 Test_101

Routine(s) under test:	get_ilink: STRING
Set-up:	Create a document and an internal link
Tear-down:	None
Test data:	The name of the document with 501 characters
	The text of the link: „text"
Other resources:	R 3.1.1.1 005, R 3.1.1.2 006
Preconditions:	The name of the document should not be empty
	The name of the document should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the name of the document has more than 500 characters

2.1.99 Test_102

Routine(s) under test:	get_text: STRING
Set-up:	Create a document and an internal link
Tear-down:	None
Test data:	The name of the document: „document"
	The text of the link: „text"
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 006
Preconditions:	The text of the link should not be empty
	The text of the link should not override 500 characters
Postconditions:	None
Expected Result:	text

2.1.100 Test_103

Routine(s) under test:	get_text: STRING
Set-up:	Create a document and an internal link
Tear-down:	None
Test data:	The name of the document: „document"
	The text of the link: „"
Other resources:	R 3.1.1.1 006, R 3.1.1.2 006
Preconditions:	The text of the link should not be empty

The text of the link should not override 500 characters
Postconditions: None
Expected Result: Precondition Violation: the text of the link empty

2.1.101 Test_104

Routine(s) under test: get_text: STRING
Set-up: Create a document and an internal link
Tear-down: None
Test data: The name of the document: „document"
     The text of the link with 501 characters
Other resources: R 3.1.1.1 005, R 3.1.1.2 006
Preconditions: The text of the link should not be empty
     The text of the link should not override 500 characters
Postconditions: None
Expected Result: Precondition Violation: the text of the link has more than 500 characters

2.1.102 Test_105

Routine(s) under test: visit_ilink(i_l:INTERNAL_LINK):STRING
     accept (a_visitor: VISITOR): STRING (INTERNAL_LINK Class)
     get_pagetitle: STRING
     get_ilink: STRING
     get_text: STRING
Set-up: Create a document and an internal link, add the internal link to the document, visit the document with HTMLVisitor
Tear-down: None
Test data: Page title: „page title"
     The name of the document: „document"
     Target of the link: „text"
Other resources: R 3.1.1.2 006
Preconditions: None
Postconditions: None
Expected Result: <!DOCTYPE html>%N<html>%N<head>%N<title>page title</title>%N</head>%N<body>%Ntext%N</body>%N</html>%N

2.1.103 Test_106

Routine(s) under test: add_italics(text: STRING)
Set-up: None
Tear-down: None
Test data: Text which should be italics: „text"
Other resources: R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 004
Preconditions: The text string should not be empty
     The text should not override 500 characters
Postconditions: None
Expected Result: An italics text with text "text" is created

2.1.104 Test_107

Routine(s) under test: add_italics(text: STRING)
Set-up: None
Tear-down: None
Test data: Text which should be italics: „"
Other resources: R 3.1.1.1 006, R 3.1.1.2 004
Preconditions: The text string should not be empty
     The text should not override 500 characters

Postconditions: None
Expected Result: Precondition Violation: the text string is empty

2.1.105 Test_108

Routine(s) under test: add_italics(text: STRING)
Set-up: None
Tear-down: None
Test data: Text which should be italics with 501 characters
Other resources: 3.1.1.1 006, R 3.1.1.2 004
Preconditions: The text string should not be empty
                             The text should not override 500 characters
Postconditions: None
Expected Result: Precondition Violation: the text string has more than 500 characters

2.1.106 Test_109

Routine(s) under test: get_italics(text: STRING)
Set-up: Create an italics text
Tear-down: None
Test data: Text: „text"
Other resources: R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 004
Preconditions: The text string should not be empty
                             The text should not override 500 characters
Postconditions: None
Expected Result: text

2.1.107 Test_110

Routine(s) under test: get_italics(text: STRING)
Set-up: Create an italics text
Tear-down: None
Test data: Text: „"
Other resources: R 3.1.1.1 006, R 3.1.1.2 004
Preconditions: The text string should not be empty
                             The text should not override 500 characters
Postconditions: None
Expected Result: Precondition Violation: the text string is empty

2.1.108 Test_111

Routine(s) under test: get_italics(text: STRING)
Set-up: Create an italics text
Tear-down: None
Test data: Text with 501 characters
Other resources: R 3.1.1.1 005, R 3.1.1.2 004
Preconditions: The text string should not be empty
                             The text should not override 500 characters
Postconditions: None
Expected Result: Precondition Violation: the text string has more than 500 characters

2.1.109 Test_112

Routine(s) under test: visit_italics(i:ITALICS):STRING
                             accept (a_visitor: VISITOR): STRING (ITALICS Class)
                             get_pagetitle: STRING
                             get_italics(text: STRING)

Set-up:	Create a document, a paragraph and an italics text, add the text to the paragraph and the paragraph to the document, visit the document with HTMLVisitor
Tear-down:	None
Test data:	The name of the document: „name"
	Page title: „page title"
	Text which should be italics: „text"
Other resources:	R 3.1.1.2 004
Preconditions:	None
Postconditions:	None
Expected Result:	<!DOCTYPE html>%N<html>%N<head>%N<title>page title</title>%N</head>%N<body>%N <i>text</i> %N</body>%N</html>%N

2.1.110 Test_113

Routine(s) under test:	make (ORDERED_LIST Class)
Set-up:	None
Tear-down:	None
Test data:	None
Other resources:	R 3.1.1.2 008
Preconditions:	None
Postconditions:	The list should be empty empty
Expected Result:	An empty ordered list is created

2.1.111 Test_114

Routine(s) under test:	add_point (element : FILE_COMPOSITE) (ORDERED_LIST Class)
Set-up:	Create an ordered list, create two texts
Tear-down:	None
Test data:	The first text: „text 1"
	The second text: „text 2"
Other resources:	R 3.1.1.2 008
Preconditions:	None
Postconditions:	The last added element is the last element of the list
Expected Result:	The list consists of „text 1" and „text 2"

2.1.112 Test_115

Routine(s) under test:	visit_orderedlist(a_ol:ORDERED_LIST):STRING
	accept (a_visitor: VISITOR): STRING (ORDERED_LIST Class)
	get_pagetitle: STRING
Set-up:	Create a document, an ordered list and two texts, add the texts to the list and the list to the document, visit the document with HTMLVisitor
Tear-down:	None
Test data:	The name of the document: „name"
	Page title: „page title"
	The first text: „text 1"
	The second text: „text 2"
Other resources:	R 3.1.1.2 008
Preconditions:	None
Postconditions:	None
Expected Result:	<!DOCTYPE html>%N<html>%N<head>%N<title>page title</title>%N</head>%N<body>%N %N - text 1 %N - text 2 %N %N</body>%N</html>%N

2.1.113 Test_116

Routine(s) under test:	make (PARAGRAPH Class)
Set-up:	None
Tear-down:	None
Test data:	None
Other resources:	R 3.1.1.2 012
Preconditions:	None
Postconditions:	The paragraph should be empty
Expected Result:	An empty paragraph is created

2.1.114 Test_117

Routine(s) under test:	add_text(texts:PARAGRAPH_COMPOSITE)
Set-up:	Create a paragraph and two texts
Tear-down:	None
Test data:	The first text: „text 1"
	The second text: „text 2"
Other resources:	R 3.1.1.2 012
Preconditions:	None
Postconditions:	The last added element is the last element of the paragraph
Expected Result:	The paragraph consists of „text 1" and „text 2"

2.1.115 Test_118

Routine(s) under test:	visit_paragraph(a_p:PARAGRAPH):STRING
	visit_bold(b:BOLD):STRING
	visit_normal(n:TEXT):STRING
	visit_italics(i:ITALICS):STRING
	visit_underline(u:UNDERLINE):STRING
	visit_document(d:DOCUMENT):STRING
	accept (a_visitor: VISITOR): STRING (PARAGRAPH Class)
	accept (a_visitor: VISITOR): STRING (DOCUMENT Class)
	accept (a_visitor: VISITOR): STRING (TEXT Class)
	accept (a_visitor: VISITOR): STRING (BOLD Class)
	accept (a_visitor: VISITOR): STRING (ITALICS Class)
	accept (a_visitor: VISITOR): STRING (UNDERLINE Class)
	make(name:STRING;title:STRING)
	make (PARAGRAPH Class)
	add_text(texts:PARAGRAPH_COMPOSITE)
	add_text(text: STRING)
	add_bold(text: STRING)
	add_italics (text: STRING)
	add_underline(text: STRING)
Set-up:	Create a document, a plain text, a bold text, an italics text, an underlined text and a paragraph, add the texts to the paragraph, add the paragraph to the document, visit the document with HTML Visitor
Tear-down:	None
Test data:	The name of the document: „name"
	Page title: „page title"
	The plain text: „plain text"
	The bold text: „bold text"
	The italics text: „italics text"
	The underlined text: „underlined text"
Other resources:	R 3.1.1.2 012
Preconditions:	None
Postconditions:	None

Expected Result:	The document contains a paragraph which consists of the plain text, the bold text, the italics text and the underlined text

2.1.116 Test_119

Routine(s) under test:	make (user: STRING)
Set-up:	None
Tear-down:	None
Test data:	The code: „code"
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 011
Preconditions:	The code should not be empty
	The code should not override 500 characters
Postconditions:	None
Expected Result:	A code snippet with text "code" is created

2.1.117 Test_120

Routine(s) under test:	make (user: STRING)
Set-up:	None
Tear-down:	None
Test data:	The code: „"
Other resources:	R 3.1.1.1 006, R 3.1.1.2 011
Preconditions:	The code string should not be empty
	The code string should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the code string is empty

2.1.118 Test_121

Routine(s) under test:	make (user: STRING)
Set-up:	None
Tear-down:	None
Test data:	Code string with 501 characters
Other resources:	R 3.1.1.1 006, R 3.1.1.2 011
Preconditions:	The code string should not be empty
	The code string should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the code string has more than 500 characters

2.1.119 Test_122

Routine(s) under test:	visit_snippet(a_s:SNIPPET):STRING
	accept (a_visitor: VISITOR): STRING (SNIPPET Class)
	get_pagetitle: STRING
Set-up:	Create a document and a code snippet, add the snippet to the document, visit the document with HTMLVisitor
Tear-down:	None
Test data:	The name of the document: „name"
	Page title: „page title"
	The code: „code"
Other resources:	R 3.1.1.2 011
Preconditions:	None
Postconditions:	None
Expected Result:	<!DOCTYPE html>%N<html>%N<head>%N<title>page title</title>%N</head>%N<body>%N<code id=%"code%">code</code>%N</body>%N</html>%N

2.1.120 Test_123

Routine(s) under test:	make (TABLEE Class)
Set-up:	None
Tear-down:	None
Test data:	None
Other resources:	R 3.1.1.2 009
Preconditions:	None
Postconditions:	The table should be empty
Expected Result:	An empty table is created

2.1.121 Test_124

Routine(s) under test:	add_col (eleme : ROW_CONT)
Set-up:	Create a table, two texts and two rows, add the texts to the rows and the rows to the table
Tear-down:	None
Test data:	The first row: „item 1"
	The second row: „item 2"
Other resources:	R 3.1.1.2 009
Preconditions:	None
Postconditions:	The last added row is the last row of the table
Expected Result:	The table contains two rows: „item 1" and „item 2"

2.1.122 Test_125

Routine(s) under test:	visit_tablee(t: TABLEE): STRING
	accept (a_visitor: VISITOR): STRING (TABLEE Class)
	get_pagetitle: STRING
Set-up:	Create a document, a table, two rows, three texts and an external link, add texts and the link to the rows and the rows to to the table, table to the document, visit the document with HTMLVisitor
Tear-down:	None
Test data:	The name of the document: „name"
	Page title: „page title"
	Name of the link: „link"
	The text of the link: „text"
	The first row contains „item 1" and „item 2"
	The second row contains „item 3" and the link
Other resources:	R 3.1.1.2 009
Preconditions:	None
Postconditions:	None
Expected Result:	<!DOCTYPE html>%N<html>%N<head>%N<title>page title</title>%N</head>%N<body>%N<table>%N<tr><td>item 1</td><td>item 2</td></tr>%N<tr><td>item 3</td><td>text%N</td></tr>%N</table>%N</body>%N</html>%N

2.1.123 Test_126

Routine(s) under test:	add_text(text: STRING)
Set-up:	None
Tear-down:	None
Test data:	Text: „text"
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 004
Preconditions:	The text string should not be empty
	The text should not override 500 characters
Postconditions:	None
Expected Result:	A plain text with text "text" is created

2.1.124 Test_127

Routine(s) under test:	add_text(text: STRING)
Set-up:	None
Tear-down:	None
Test data:	Text with 501 characters
Other resources:	R 3.1.1.1 005, R 3.1.1.2 004
Preconditions:	The text string should not be empty
	The text should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: The text has more than 500 characters

2.1.125 Test_128

Routine(s) under test:	add_text(text: STRING)
Set-up:	None
Tear-down:	None
Test data:	Text: „"
Other resources:	R 3.1.1.1 006, R 3.1.1.2 004
Preconditions:	The text string should not be empty
	The text should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: the text string is empty

2.1.126 Test_129

Routine(s) under test:	get_normal:STRING
Set-up:	Create a plain text
Tear-down:	None
Test data:	Text: „text"
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 004
Preconditions:	The text string should not be empty
	The text should not override 500 characters
Postconditions:	None
Expected Result:	text

2.1.127 Test_130

Routine(s) under test:	get_normal:STRING
Set-up:	Create a plain text
Tear-down:	None
Test data:	Text: „"
Other resources:	R 3.1.1.1 006, R 3.1.1.2 004
Preconditions:	The text string should not be empty
	The text should not override 500 characters
Postconditions:	None
Expected Result:	Preconditon Violation: the text string is empty

2.1.128 Test_131

Routine(s) under test:	get_normal:STRING
Set-up:	Create a plain text
Tear-down:	None
Test data:	Text with 501 character
Other resources:	R 3.1.1.1 005, R 3.1.1.2 004
Preconditions:	The text string should not be empty
	The text should not override 500 characters
Postconditions:	None
Expected Result:	Precondition Violation: The text has more than 500 characters

2.1.129 Test_132

Routine(s) under test:	accept (a_visitor: VISITOR): STRING (TEXT Class) visit_normal(n:TEXT):STRING get_pagetitle: STRING get_normal
Set-up:	Create a document, a paragraph and and two texts, add the texts to the paragraph and the paragraph to the document, visit the document with HTMLVisitor
Tear-down:	None
Test data:	The name of the document: „name" Page title: „page title" First text: „text 1" Second text: „text 2"
Other resources:	R 3.1.1.2 004
Preconditions:	None
Postconditions:	None
Expected Result:	<!DOCTYPE html>%N<html>%N<head>%N<title>page title</title>%N</head>%N<body>%N text 1text 2 %N</body>%N</html>%N

2.1.130 Test_133

Routine(s) under test:	add_underline(text: STRING)
Set-up:	None
Tear-down:	None
Test data:	Text which should be underlined: „text"
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 004
Preconditions:	The text string should not be empty The text should not override 500 characters
Postconditions:	None
Expected Result:	An underlined text with text "text" is created

2.1.131 Test_134

Routine(s) under test:	add_underline(text: STRING)
Set-up:	None
Tear-down:	None
Test data:	Text which should be underlined: „"
Other resources:	R 3.1.1.1 006, R 3.1.1.2 004
Preconditions:	The text string should not be empty The text should not override 500 characters
Postconditions:	None
Expected Result:	Preconditon Violation: the text string is empty

2.1.132 Test_135

Routine(s) under test:	add_underline(text: STRING)
Set-up:	None
Tear-down:	None
Test data:	Text with 501 characters
Other resources:	R 3.1.1.1 005, R 3.1.1.2 004
Preconditions:	The text string should not be empty The text should not override 500 characters
Postconditions:	None
Expected Result:	Preconditon Violation: the text string has more than 500 characters

2.1.133 Test_136

Routine(s) under test:	get_underline:STRING

Set-up:	Create an underlined text
Tear-down:	None
Test data:	Text which should be underlined: „text"
Other resources:	R 3.1.1.1 005, R 3.1.1.1 006, R 3.1.1.2 004
Preconditions:	The text string should not be empty
	The text should not override 500 characters
Postconditions:	None
Expected Result:	text

2.1.134 Test_137

Routine(s) under test:	get_underline:STRING
Set-up:	Create an underlined text
Tear-down:	None
Test data:	Text which should be underlined: „"
Other resources:	R 3.1.1.1 006, R 3.1.1.2 004
Preconditions:	The text string should not be empty
	The text should not override 500 characters
Postconditions:	None
Expected Result:	Preconditon Violation: the text string is empty

2.1.135 Test_138

Routine(s) under test:	get_underline:STRING
Set-up:	Create an underlined text
Tear-down:	None
Test data:	Text with 501 characters
Other resources:	R 3.1.1.1 005, R 3.1.1.2 004
Preconditions:	The text string should not be empty
	The text should not override 500 characters
Postconditions:	None
Expected Result:	Preconditon Violation: the text string has more than 500 characters

2.1.136 Test_139

Routine(s) under test:	accept (a_visitor: VISITOR): STRING (UNDERLINE Class)
	visit_underline(u:UNDERLINE):STRING
	get_pagetitle: STRING
	get_underline
Set-up:	Create a document, a paragraph and an underlined text, add the text to the paragraph and the paragraph to the document, visit the document with HTMLVisitor
Tear-down:	None
Test data:	The name of the document: „name"
	Page title: „page title"
	Text which should be underlined: „text"
Other resources:	R 3.1.1.2 004
Preconditions:	None
Postconditions:	None
Expected Result:	<!DOCTYPE html>%N<html>%N<head>%N<title>page title</title>%N</head>%N<body>%N <u>text</u> %N</body>%N</html>%N

2.1.137 Test_140

Routine(s) under test:	make (UNORDERED_LIST Class)
Set-up:	None
Tear-down:	None
Test data:	None

Other resources:	R 3.1.1.2 008
Preconditions:	None
Postconditions:	The list should be empty
Expected Result:	An empty unordered list is created

2.1.138 Test_141

Routine(s) under test:	add_point (element : FILE_COMPOSITE) (UNORDERED_LIST Class)
Set-up:	Create an unordered list, create two texts
Tear-down:	None
Test data:	The first text: „text 1"
	The second text: „text 2"
Other resources:	R 3.1.1.2 008
Preconditions:	None
Postconditions:	The last added element is the last element of the list
Expected Result:	the list contains „text 1" and „text 2"

2.1.139 Test_142

Routine(s) under test:	visit_unorderedlist(a_ul:UNORDERED_LIST):STRING
	accept (a_visitor: VISITOR): STRING (UNORDERED_LIST Class)
	get_pagetitle: STRING
Set-up:	Create a document, an unordered list, two texts, and an external link, add the texts and the link to the list and the list to the document, visit the document with HTMLVisitor
Tear-down:	None
Test data:	The name of the document: „name"
	Page title: „page title"
	The first text „text 1"
	The second text: „text 2"
	Name of the link: "link"
	Text of the link: "text"
Other resources:	R 3.1.1.2 008
Preconditions:	None
Postconditions:	None
Expected Result:	<!DOCTYPE html>%N<html>%N<head>%N<title>page title</title>%N</head>%N<body>%N %N - text 1 %N - text 2 %N text%N %N %N</body>%N</html>%N

2.1.140 Test_143

Routine(s) under test:	save_document(input_string:STRING; name: STRING)
Set-up:	Create a document, a paragraph, a text and a HTMLVisitor, add the text to the paragraph and the paragraph to the document, visit the document with the HTMLVisitor
Tear-down:	None
Test data:	The text of the paragraph: „text"
	Name of the file: „file1"
Other resources:	R 3.1.1.3 002, R 3.1.1.3 003
Preconditions:	None
Postconditions:	None
Expected Result:	The document with the name „file1.html" and text „text" is saved in "src" folder

2.1.141 Test_144

Routine(s) under test:	save_document(input_string:STRING; name: STRING)

Set-up:	Create a document, a paragraph, a text and a HTMLVisitor, add the text to the paragraph and the paragraph to the document, visit the document with the HTMLVisitor
Tear-down:	None
Test data:	The text of the paragraph: „text"
	Name of the file: „"
Other resources:	R 3.1.1.3 002, R 3.1.1.3 003
Preconditions:	None
Postconditions:	None
Expected Result:	The document with the name "File.html" and text "text" is saved in "src" folder

2.1.142 Test_145

Routine(s) under test:	save_document(input_string:STRING; name: STRING)
Set-up:	Create a document, a HTMLVisitor, two paragraphs (p1, p2) and two texts (t1, t2), add the texts to corresponding paragraphs, add p1 to the document, visit the document with HTMLVisitor and save it as "file1", add p2 to the document, visit it with HTMLVisitor
Tear-down:	None
Test data:	p1 contains t1 "text 1"
	p2 contains t2 "text 2"
	The new name of the file: "file1"
Other resources:	R 3.1.1.3 003
Preconditions:	None
Postconditions:	None
Expected Result:	The file "file1.html" in "src" folder contains "text 2"

2.1.143 Test_146

Function under test:	Nested lists
Routine(s) under test:	add_point (element : FILE_COMPOSITE) (ORDERED_LIST Class)
Set-up:	Create two ordered lists (l1 and l2) and five texts, add "text 3" and "text 4" to one of the lists
Tear-down:	None
Test data:	Texts: „text 1", „text 2", „text 3", „text 4", „text 5"
	l1: "text 1", "text 2", l2 and "text 5"
	l2: "text 3" and "text 4"
Other resources:	R 3.1.1.2 008
Preconditions:	The added element is the last element of the list
Postconditions:	None
Expected Result (for HTML):	
	<!DOCTYPE html>%N<html>%N<head>%N<title>page title</title>%N</head>%N<body>%N %N - text 1 %N - text 2 %N %N - text 3 %N - text 4 %N %N %N - text 5 %N %N</body>%N</html>%N

2.1.144 Test_147

Function under test:	Nested lists
Routine(s) under test:	add_point (element : FILE_COMPOSITE) (UNORDERED_LIST Class)
Set-up:	Create two unordered lists (l1 and l2) and five texts, add "text 3" and "text 4" to one of the lists
Tear-down:	None

Test data: Texts: „text 1", „text 2", „text 3", „text 4", „text 5"
l1: "text 1", "text 2", l2 and "text 5"
l2: "text 3" and "text 4"
Other resources: R 3.1.1.2 008
Preconditions: None
Postconditions: The last added element is the last element of the list
Expected Result (for HTML):
<!DOCTYPE html>%N<html>%N<head>%N<title>page title</title>%N</head>%N<body>%N
%N
text 1
%N
text 2
%N
%N
text 3
%N
text 4
%N
%N
%N
text 5
%N
%N</body>%N</html>%N

2.1.145 Test_148

Function under test: Nested lists
Routine(s) under test: add_point (element : FILE_COMPOSITE) (ORDERED_LIST Class)
add_point (element : FILE_COMPOSITE) (UNORDERED_LIST Class)
Set-up: Create a document, two ordered lists (l1 and l2), an unordered list (l3) and seven texts
Tear-down: None
Test data: Texts: „text 1", „text 2", „text 3", „text 4", „text 5", „text 6", „text 7"
l2: "text 4" and "text 5"
l3: "text 3" and l2 and "text 6"
l1: "text 1", "text 2", l3 and "text 7"
Other resources: R 3.1.1.2 008
Preconditions: The added element is the last element of the list
Postconditions: None
Expected Result (for HTML):
<!DOCTYPE html>%N<html>%N<head>%N<title>page title</title>%N</head>%N<body>%N
%N
text 1
%N
text 2
%N
%N
text 3
%N
%N
text 4
%N
text 5
%N
%N
%N
text 6
%N
%N
%N
text 7
%N
%N</body>%N</html>%N

2.1.146 Test_149

Function under test: Nested table
Routine(s) under test: add_row_el (elem : FILE_COMPOSITE)
add_col (eleme : ROW_CONT)
Set-up: Create a document, two tables (t1 and t2), four rows (r1, r2, r3 and r4) and five texts
Tear-down: None
Test data: Texts: „text 1", „text 2", „text 3", „text 4", „text 5"
r1: "text 1" and "text 2"
r2: "text 3" and t2
r3: "text 4"
r4: "text 5"
t1: r1, r2
t2: r3, r4
Other resources: R 3.1.1.2 008
Preconditions: The added element is the last element of the list
Postconditions: None
Expected Result (for HTML):

<!DOCTYPE html>%N<html>%N<head>%N<title>page title</title>%N</head>%N<body>%N<table>%N<tr><td>p1</td><td>p2</td></tr>%N<tr><td>p3</td><td><table>%N<tr><td>p4</td></tr>%N<tr><td>p5</td></tr>%N</table>%N</td></tr>%N</table>%N</body>%N</html>%N

2.1.147 Test_150

Function under test:	Overwriting
Routine(s) under test:	add_bold(text: STRING)
Set-up:	create a bold text (t1) with text "text 1"
Tear-down:	None
Test data:	The new text for t1: „text 2"
Other resources:	R 3.1.1.2 002, R 3.1.1.2 004
Preconditions:	The text string should not be empty
	The text string should not override 500 characters
Postconditions:	None
Expected Result:	the text of t1 is "text 2"

3   Expected Coverage

The expected coverage of the whole test suite is 90%.