Text Library Testing Plan

Plan Progress: Complete

Plan Written by Josh Bradley

Testing Progress: Complete

Tested by: Zhihao Ma

TextBoxField v3.0:

| Test Case | Test Criteria  | Input value | Expected Result | Actual Result | Pass/Fail |
| --- | --- | --- | --- | --- | --- |
| TextBoxField |  |  | testGetWidth() = 100,testGetHeight() = 100,testGetX() = 0,testGetY() = 0,testGetFontSize = 10, |  |  |
| setBoxWidth | successful modified value  | 200 | testGetWidth() = 200 |  | PASS |
| catch incorrect value | -10 | testGetWidth() = 100 | Failed | Failed |
| setBoxHeight | successful modified value  | 200 | testGetHeight = 200 |  | PASS |
| catch incorrect value | -10 | testGetHeight = 100 |  |  |
| setPositionX | successful modified value  | 200 | testGetX() = 200 |  | PASS |
| catch incorrect value | -10 | testGetX() = 0 | Failed | Failed |
| setPositionY | successful modified value  | 200 | testGetY() = 200 |  | PASS |
| catch incorrect value | -10 | testGetY() = 0 |  |  |
| setOrigin | Centre | TextBox.Origin.CENTRE | testGetX() = -50,testGetY() = -50 | Failed | Failed |
| Corner | TextBox.Origin.CORNER | testGetX() = 0,testGetY() = 0, |  |  |
| setContent | String short enough to fit box | “Hello” | testGetFontSize = 10 |  |  |
| String too long to fit box | You pick | testGetFontSize < 10 | Failed |  |
| setFontName | Valid font name | “Calibri” | testGetFontName = “calibri” |  |  |
| Invalid font name | “qwerty” | testGetFontName = “system regular” | Failed | Failed |
| setFontColour(String) | Valid Hexadecimal | “#fcba03” | testGetFontColour = “0xfcba03ff” |  |  |
| Invalid hexadecimal | “Hello” | testGetFontColour = “0x000000ff” | Failed | Failed |
| setFontColour(Color) | Valid JavaFX Color | Color.BLUE | testGetFontColour = “0x0000ffff” |  |  |
| setHighlightFontColour(String) | Valid Hexadecimal | “#fcba03” | testGetHighlightFontColour = “0xfcba03ff” |  |  |
| Invalid hexadecimal | “Hello” | testGetHighlightFontColour = “0xffffffff” | Failed | Failed |
| setHighlightFontColour(Color) | Valid JavaFX Color | Color.BLUE | testGetHighlightFontColour = “0x0000ffff” |  |  |
| setHighlightColour(String) | Valid Hexadecimal | “#fcba03” | testGetHighlightColour = “0xfcba03ff” |  |  |
| Invalid hexadecimal | “Hello” | testGetHighlightColour = “0xffffffff” | Failed | Failed |
| setHighlightColour(Color) | Valid JavaFX Color | Color.BLUE | testGetHighlightColour = “0x0000ffff” |  |  |
| setPromptTextColour(String) | Valid Hexadecimal | “#fcba03” | testGetPromptTextColour = “0xfcba03ff” |  |  |
| Invalid hexadecimal | “Hello” | testGetPromptTextColour = “0xffffffff” | Failed | Failed |
| setPromptTextColour(Color) | Valid JavaFX Color | Color.BLUE | testGetPromptTextColour = “0x0000ffff” |  |  |
| setFontSize | Font size which fits in the box | 12 | testGetFontSize = 12 |  |  |
| Invalid value | -15 | testGetFontSize = 10 | Failed | Failed |
| setTextOrigin | Centre  | TextBox.Origin.CENTRE | Text Shown in centre |  |  |
| Corner | TextBox.Origin.CORNER | Text Shown in corner |  |  |
| addBackground | Box drawn with background | N/A | testGetBackgroundColour = “0xffffffff” |  |  |
| removeBackground | Box drawn without background | N/A | testGetBackgroundColour = “0xffffff00” |  |  |
| setBackgroundColour(String) | Valid Hexadecimal | “#fcba03” | testGetBackgroundColour = “0xfcba03ff” |  |  |
| Invalid hexadecimal | “Hello” | testGetBackgroundColour = “0xffffffff” | Failed | Failed |
| setBackgroundColour(Color) | Valid JavaFX Color | Color.BLUE | testGetBackgroundColour = “0x0000ffff” |  |  |
| addBorder | Box drawn without border | N/A | testGetBorderColour = 0x000000ff |  |  |
| removeBorder | Box drawn with border | N/A | testGetBorderColour = “0x00000000” |  |  |
| setBorderWidth | Valid value | 10 | testGetStrokeWidth = 10 |  |  |
| Invalid value | -4 | testGetStrokeWidth = 1 | Failed | Failed |
| setBorderColour(String) | Valid Hexadecimal | “#fcba03” | testGetBorderColour = “0xfcba03ff” |  |  |
| Invalid hexadecimal | “Hello” | testGetBorderColour = “0x000000ff” |  |  |
| setBorderColour(Color) | Valid JavaFX Color | Color.BLUE | testGetBorderColour = “0x0000ffff” |  |  |
| setCornerRadius | Valid Corner radius | 30 |  |  |  |
| Invalid Value, too large | 51 |  | Failed | Failed |
| Invalid Value, negative  | -5 |  | Failed | Failed |
| setHoverColour(String) | Valid Hexadecimal | “#fcba03” |  |  |  |
| Invalid hexadecimal | “Hello” |  | Failed | Failed |
| setHoverColour(Color) | Valid JavaFX Color | Color.BLUE |  |  |  |
| setSelectColour(String) | Valid Hexadecimal | “#fcba03” |  |  |  |
| Invalid hexadecimal | “Hello” |  | Failed | Failed |
| setSelectColour(Color) | Valid JavaFX Color | Color.BLUE |  |  |  |