

# JavaFX Documentation Project

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# Table of Contents

1. Introduction .....	1
1.1. Contributors .....	1
1.2. Contributing .....	1
2. Scenegraph .....	2
3. UI Controls .....	3
4. CSS .....	4
5. Performance .....	5
6. Application Structure .....	6
7. Best Practices .....	7
7.1. 1. Styleable Properties.....	7
8. Contributing .....	8
9. License .....	9

# Chapter 1. Introduction

The JavaFX Documentation Project aims to pull together useful information for JavaFX developers from all over the web. The project is [open source](#) and encourages community participation to ensure that the documentation is as highly polished and useful as possible.

## 1.1. Contributors

This project would not be possible without the contributors who work hard on the content contained within this documentation. Whenever possible contributors are given attribution within the document when they write a section, but it is also important to gather all names here, at the top of the document, to give the recognition that these contributors deserve.

## 1.2. Contributing

Contributing to this project is easy - fork the [GitHub](#) repo, edit the relevant files, and create a pull request! Once merged, your content will form a part of the documentation and you'll have the unending appreciation of the entire community!

The JavaFX Documentation Project uses AsciiDoc as the syntax of choice for writing the documentation. The [AsciiDoc Syntax Quick Reference](#) guide is a great resource for those learning how to write AsciiDoc.

Authors are welcome to include a byline beneath the sections that they have authored. To ensure consistency, the recommended format for the byline is the following:

*Contributed by <name> - <website>*

# Chapter 2. Scenegraph

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# Chapter 3. UI Controls

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# Chapter 4. CSS

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# Chapter 5. Performance

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# Chapter 6. Application Structure

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# Chapter 7. Best Practices

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## 1. Styleable Properties

### 7.1. 1. Styleable Properties

Author: Gerrit Grunwald

```
/* Member variables for StyleablePropertyFactory
 * and StyleableProperty
 */
private static final StyleablePropertyFactory<MY_CTRL> FACTORY =
    new StyleablePropertyFactory<>(Control.getClassCssMetaData());

private static final CssMetaData<MY_CTRL, Color> COLOR =
    FACTORY.createColorCssMetaData("-color", s -> s.color, Color.RED, false);
private final StyleableProperty<Color> color = new
SimpleStyleableObjectProperty<>(COLOR, this, "color");

// Getter, Setter and Property method
public Color getColor() {
    return this.color.getValue();
}

public void setColor(final Color color) {
    this.color.setValue(COLOR);
}

public ObjectProperty<Color> colorProperty() {
    return (ObjectProperty<Color>) this.color;
}

// Return CSS Metadata
public static List<CssMetaData<? extends Styleable, ?>> getClassCssMetaData() {
    return FACTORY.getCssMetaData();
}

@Override public List<CssMetaData<? extends Styleable, ?>> getControlCssMetaData() {
    return getClassCssMetaData();
}
```

# Chapter 8. Contributing

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# Chapter 9. License



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