



CodeRage 2019



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A simple FireMonkey HTML control

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<https://embt.co/CodeRage2019>

Overview

- Create a descendant of TLabel that supports a limited selection of HTML tags
- Override its DoChanged method to parse the text for HTML tags
- Use FireMonkey's TTextLayout class to apply formatting attributes to parts of the text



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The TTextLayout class

- Is used by FireMonkey to calculate glyph positions, measure text, draw text and convert text to curves for path effects and 3D extrusion.
- But also has support for applying text formatting to parts of the text, although this functionality is currently not used in the FMX framework.
- TTextLayout uses an OS-provided layout engine if available:
 - IDWriteTextLayout on Windows (part of Direct2D).
 - GDI+ on Windows (if Direct2D is not available or disabled). Note that formatting attributes do ***not*** work with this implementation!
 - CFAttributedString on macOS (in combination with CoreText).
- It uses a custom implementation (TTextLayoutNG) on other platforms.



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More Information

The code:

- github.com/grijjy/CodeRage2019

Our blog:

- blog.grijjy.com

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