# The Serializer (Writer) Model

The serializer roughly follows sections *8.1 Writing HTML documents* and section *8.3 Serializing HTML fragments* by converting DOMDocument, DOMDocumentFragment, and DOMNodeList into HTML5.

[ HTML5 ] // Interface for saving.

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[ Traverser ] // Walk the DOM

||

[ Rules ] // Convert DOM elements into strings.

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[ HTML5 ] // HTML5 document or fragment in text.

## HTML5 Class

Provides the top level interface for saving.

## The Traverser

Walks the DOM finding each element and passing it off to the output rules to convert to HTML5.

## Output Rules

The output rules are defined in the RulesInterface which can have multiple implementations. Currently, the OutputRules is the default implementation that converts a DOM as is into HTML5.

## HTML5 String

The output of the process it HTML5 as a string or saved to a file.