Parser.php

```php
<?php

namespace dokuwiki\Parsing;

use Doku_Handler;
use dokuwiki\Parsing\Lexer\Lexer;
use dokuwiki\Parsing\ParserMode\Base;
use dokuwiki\Parsing\ParserMode\ModeInterface;

/**
 * Sets up the Lexer with modes and points it to the Handler
 * For an intro to the Lexer see: wiki:parser
 */
class Parser {

    /** @var Doku_Handler */
    protected $handler;

    /** @var Lexer $lexer */
    protected $lexer;

    /** @var ModeInterface[] $modes */
    protected $modes = array();

    /** @var bool mode connections may only be set up once */
    protected $connected = false;

    /**
     * dokuwiki\Parsing\Doku_Parser constructor.
     *
     * @param Doku_Handler $handler
     */
    public function __construct(Doku_Handler $handler) {
        $this->handler = $handler;
    }

    /**
     * Adds the base mode and initialized the lexer
     *
     * @param Base $BaseMode
     */
    protected function addBaseMode($BaseMode) {
        $this->modes['base'] = $BaseMode;
        if(!$this->lexer) {
            $this->lexer = new Lexer($this->handler, 'base',
true);
        }
        $this->modes['base']->Lexer = $this->lexer;
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48.     }
49.
50.     /**
51.      * Add a new syntax element (mode) to the parser
52.      *
53.      * PHP preserves order of associative elements
54.      * Mode sequence is important
55.      *
56.      * @param string $name
57.      * @param ModeInterface $Mode
58.      */
59.     public function addMode($name, ModeInterface $Mode) {
60.         if(!isset($this->modes['base'])) {
61.             $this->addBaseMode(new Base());
62.         }
63.         $Mode->Lexer = $this->lexer; // FIXME should be done by
    setter
64.         $this->modes[$name] = $Mode;
65.     }
66.
67.     /**
68.      * Connect all modes with each other
69.      *
70.      * This is the last step before actually parsing.
71.      */
72.     protected function connectModes() {
73.
74.         if($this->connected) {
75.             return;
76.         }
77.
78.         foreach(array_keys($this->modes) as $mode) {
79.             // Base isn't connected to anything
80.             if($mode == 'base') {
81.                 continue;
82.             }
83.             $this->modes[$mode]->preConnect();
84.
85.             foreach(array_keys($this->modes) as $cm) {
86.
87.                 if($this->modes[$cm]->accepts($mode)) {
88.                     $this->modes[$mode]->connectTo($cm);
89.                 }
90.
91.             }
92.
93.             $this->modes[$mode]->postConnect();
94.         }
95.
96.         $this->connected = true;
```

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 97.     }
 98.
 99.     /**
100.      * Parses wiki syntax to instructions
101.      *
102.      * @param string $doc the wiki syntax text
103.      * @return array instructions
104.      */
105.     public function parse($doc) {
106.         $this->connectModes();
107.         // Normalize CRs and pad doc
108.         $doc = "\n" . str_replace("\r\n", "\n", $doc) . "\n";
109.         $this->lexer->parse($doc);
110.
111.         if (!method_exists($this->handler, 'finalize')) {
112.             /** @deprecated 2019-10 we have a legacy handler from
    a plugin, assume legacy _finalize exists */
113.
114.
    \dokuwiki\Debug\DebugHelper::dbgCustomDeprecationEvent(
115.                 'finalize()',
116.                 get_class($this->handler) . '::_finalize()',
117.                 __METHOD__,
118.                 __FILE__,
119.                 __LINE__
120.             );
121.             $this->handler->_finalize();
122.         } else {
123.             $this->handler->finalize();
124.         }
125.         return $this->handler->calls;
126.     }
127.
128. }
```

From:
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Permanent link:
https://wwoss.ru/doku.php?id=wiki:xref:dokuwiki:inc:parsing:parser.php

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