

Modernizing WordPress' heart, HTML, & you.

How did we get here?



How did we get here?



```
<div class="post" class="full">
```

```
<li><u>one</li>two
```

```
</p></div> <img>
```

```
<img alt=cats>
```

```
<i👁️👁️ 🐄 /='no' & = <3 = /> <DIV>
```

How did we get here?

```
<p>&NotTilde;&nbsp;</p>
```

```
<title>What is <html></title>
```

```
<script><!--<script><script></script>--></script>
```



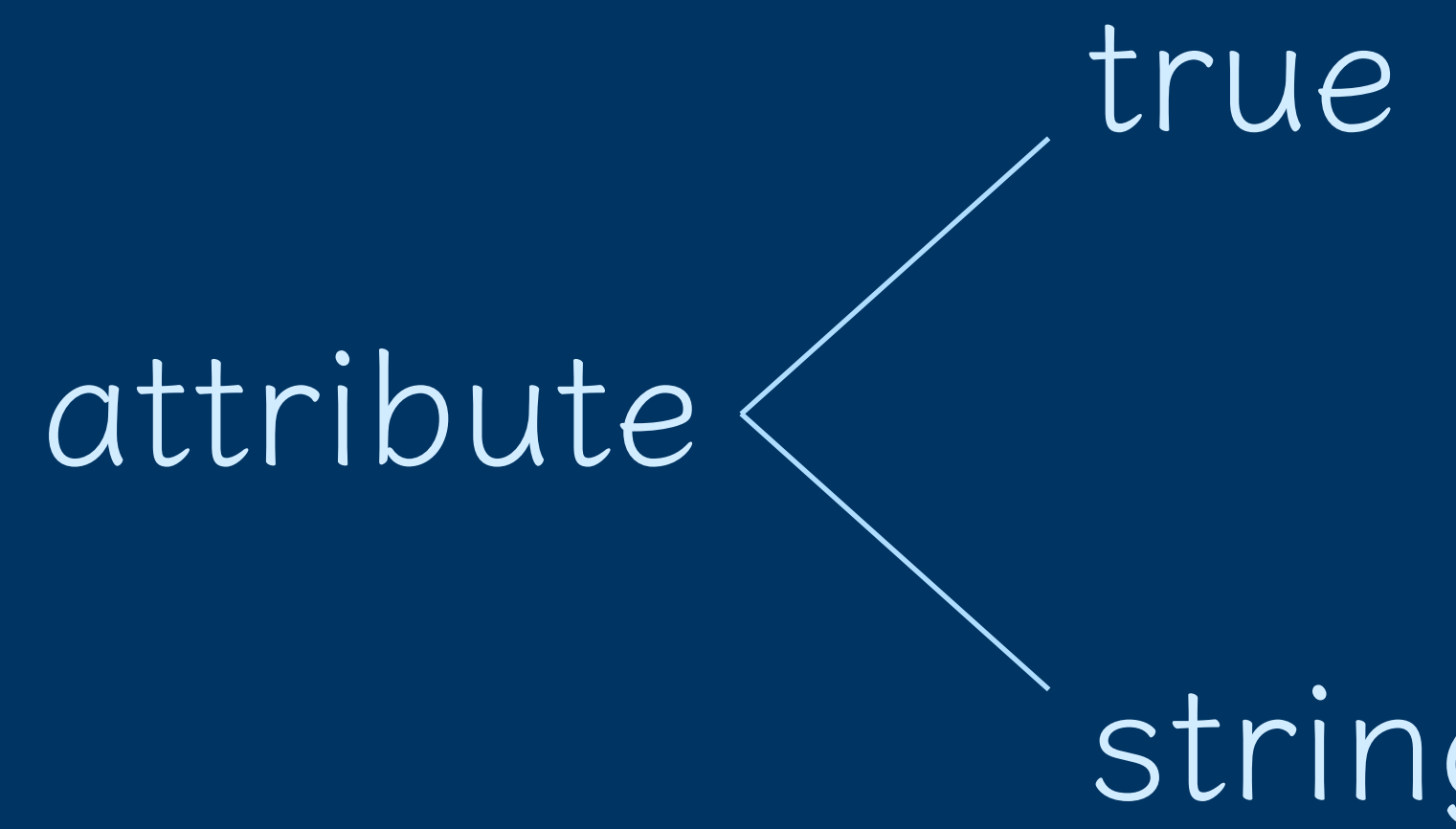
Misconceptions

How did we get here?



How did we get here?

tag



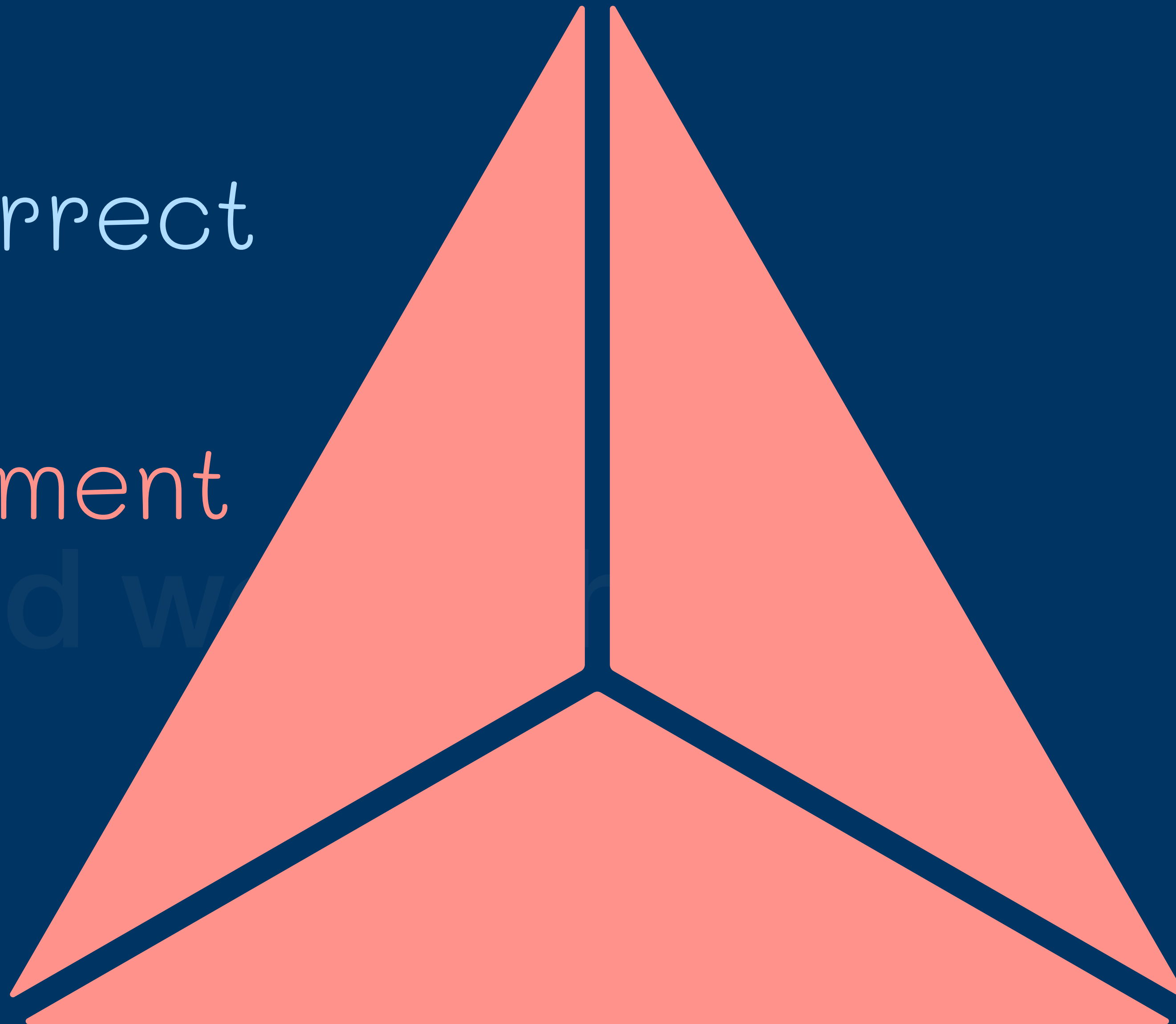
#text



incorrect

DOMDocument

How did we



```
<div class="post" class="full">
```

```
<li><u>one</li>two
```

```
</p></div> <img>
```

```
<img alt=cats>
```

```
<i👁️👁️ 🐮 /='no' & = <3 = /> <DIV>
```

How did we get here?

```
<p>&NotTilde;&nbsp;</p>
```

```
<title>What is <html></title>
```

```
<script><!--<script><script></script>--></script>
```

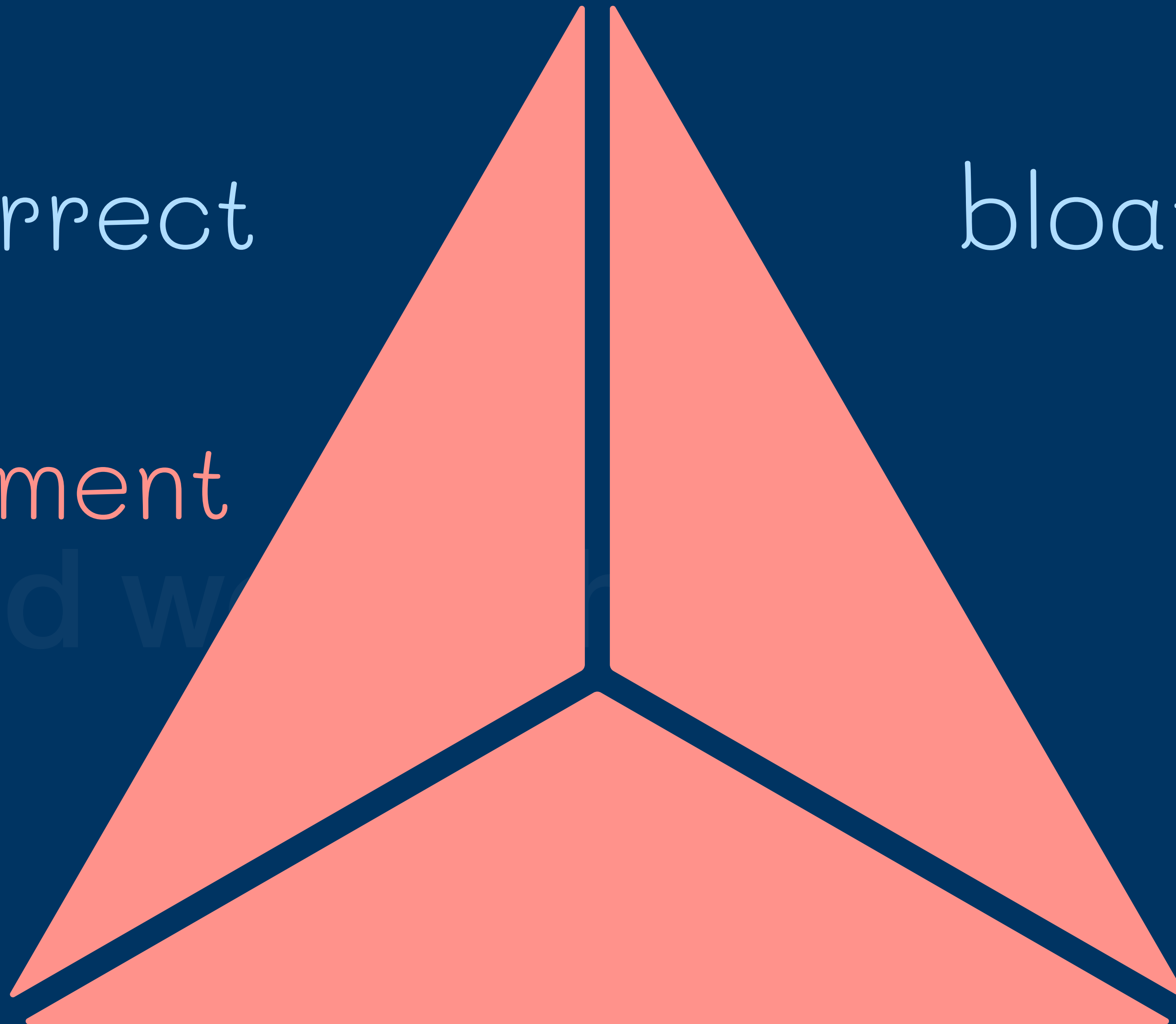


incorrect

bloated

DOMDocument

How did we



DOMDocument

600 KB

170 MB

288 ms

HTML API

200 KB

100 KB

800 ms

How did we get here?

+118 ms

406 ms

+19 ms

819 ms

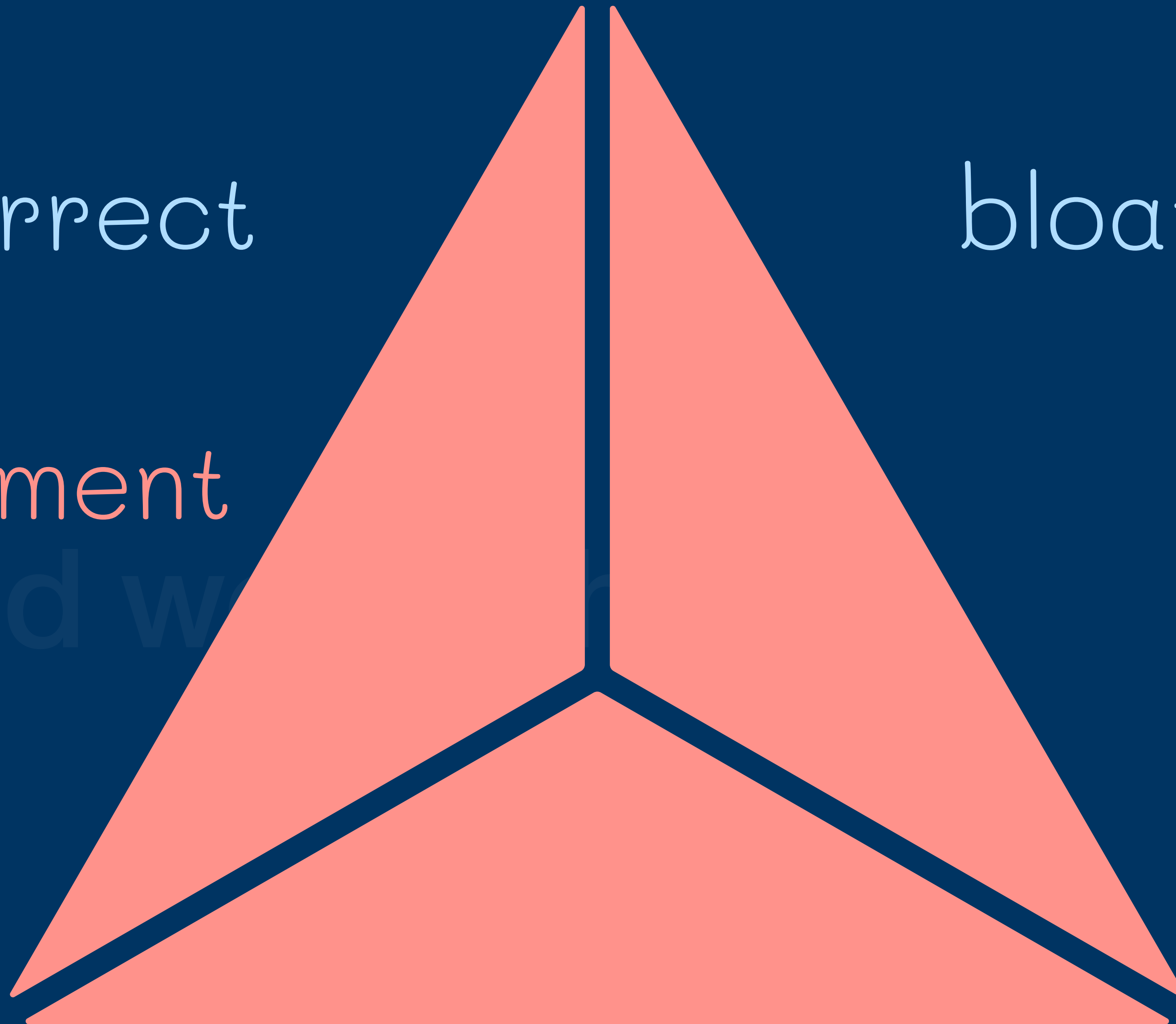


incorrect

bloated

DOMDocument

How did we



inconvenient

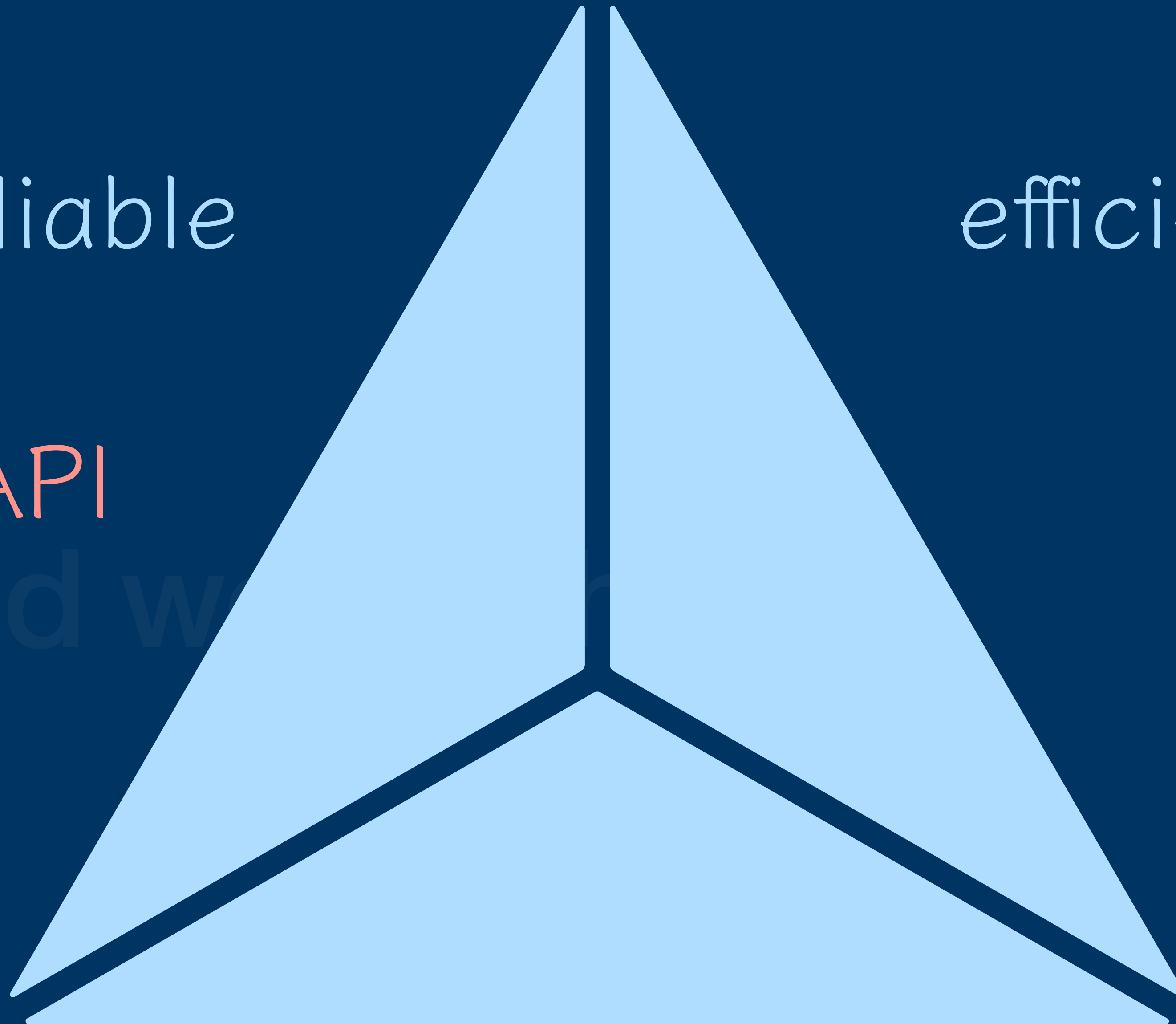


reliable

efficient

HTML API

How did we



convenient



```
$processor = new WP_HTML_Tag_Processor( $html );  
while ( $processor->next_tag( 'img' ) ) {  
    if ( ! $processor->has_attribute( 'src-set' ) ) {  
        $srcset = make_srcset(  
            $processor->get_attribute( 'src' ),  
            $processor->get_attribute( 'data-attachment-id' )  
        );  
        $processor->set_attribute( 'src-set', $srcset );  
    }  
}  
}
```



```
$processor = new WP_HTML_Tag_Processor( $html );
```

```
while ( $processor->next_tag( 'img' ) ) {
```

```
    if ( ! $processor->has_attribute( 'src-set' ) ) {
```

```
        $srcset = make_srcset(
```

```
            $processor->get_attribute( 'src' ),
```

```
            $processor->get_attribute( 'data-attachment-id' )
```

```
        );
```

```
        $processor->set_attribute( 'src-set', $srcset );
```

```
    }
```



```
}
```

```
$processor = new WP_HTML_Tag_Processor( $html );  
while ( $processor->next_tag( 'img' ) ) {  
    if ( ! $processor->has_attribute( 'src-set' ) ) {  
        $srcset = make_srcset(  
            $processor->get_attribute( 'src' ),  
            $processor->get_attribute( 'data-attachment-id' )  
        );  
        $processor->set_attribute( 'src-set', $srcset );  
    }  
}  
}
```



```
$processor = new WP_HTML_Tag_Processor( $html );  
while ( $processor->next_tag( 'img' ) ) {  
    if ( ! $processor->has_attribute( 'src-set' ) ) {  
        $srcset = make_srcset(  
            $processor->get_attribute( 'src' ),  
            $processor->get_attribute( 'data-attachment-id' )  
        );  
        $processor->set_attribute( 'src-set', $srcset );  
    }  
}  
}
```




```
$processor = new WP_HTML_Tag_Processor( $html );  
while ( $processor->next_tag( 'img' ) ) {  
    if ( ! $processor->has_attribute( 'src-set' ) ) {  
        $srcset = make_srcset(  
            $processor->get_attribute( 'src' ),  
            $processor->get_attribute( 'data-attachment-id' )  
        );  
        $processor->set_attribute( 'src-set', $srcset );  
    }  
}  
}
```



```
$processor = new WP_HTML_Tag_Processor( $html );  
while ( $processor->next_tag( 'img' ) ) {  
    if ( ! $processor->has_attribute( 'src-set' ) ) {  
        $srcset = make_srcset(  
            $processor->get_attribute( 'src' ),  
            $processor->get_attribute( 'data-attachment-id' )  
        );  
        $processor->set_attribute( 'src-set', $srcset );  
    }  
}  
}
```



```
$processor = new WP_HTML_Tag_Processor( $html );  
while ( $processor->next_tag( 'img' ) ) {  
    if ( ! $processor->has_attribute( 'src-set' ) ) {  
        $srcset = make_srcset(  
            $processor->get_attribute( 'src' ),  
            $processor->get_attribute( 'data-attachment-id' )  
        );  
        $processor->set_attribute( 'src-set', $srcset );  
    }  
}  
}
```



```
$processor = new WP_HTML_Tag_Processor( $html );
while ( $processor->next_tag( 'img' ) ) {
    if ( ! $processor->has_attribute( 'src-set' ) ) {
        $srcset = make_srcset(
            $processor->get_attribute( 'src' ),
            $processor->get_attribute( 'data-attachment-id' )
        );
        $processor->set_attribute( 'src-set', $srcset );
    }
}
```



What does this mean?



WordPress is modernizing.

WordPress will remain relevant.

What does this mean?



Where are we going?



Interactivity API and SSR.

Server-side block attributes.

Where are we going?

New filtering pipeline in Core.

Rewriting Core's core.




```
WP_HTML::render(
    '<a href="</%url>"></%title></a>',
    array(
        "url" => "https://s.wp.com/i/atat.png",
        "title" => "ATATs > ATSTs",
    )
);
```



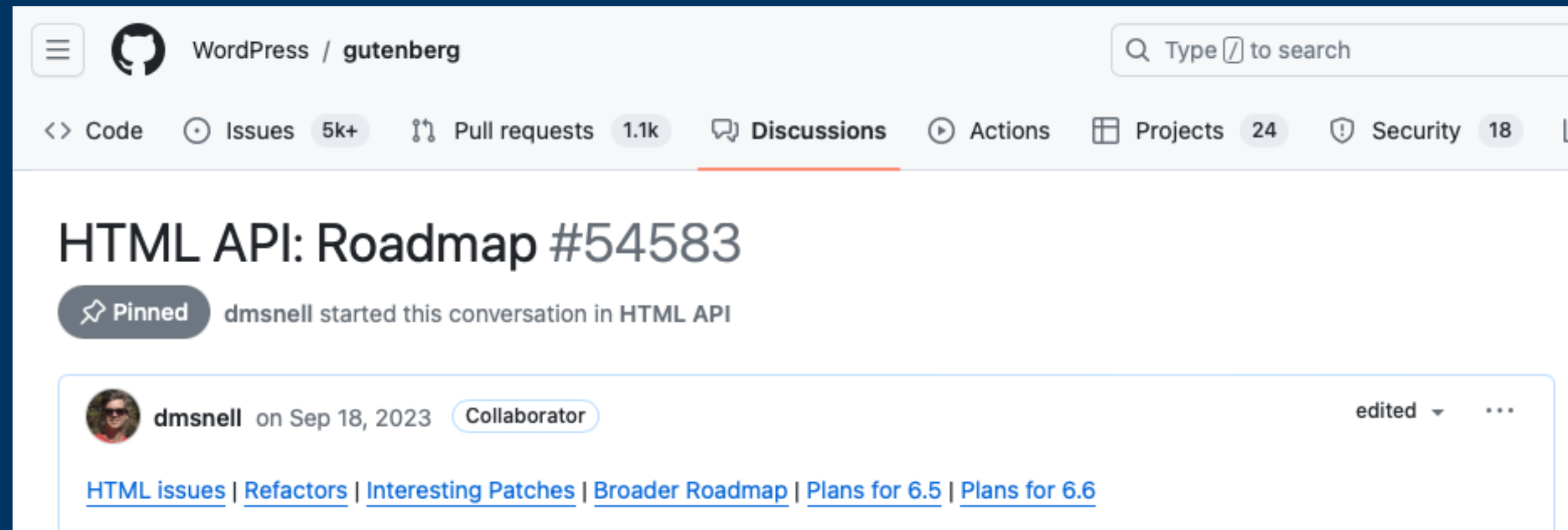
```
<p>According to </{post-author}>, this is exciting.</p>
```

```
<div>This has </{dms/likes icon="star"}> likes.</div>
```

Where are we going?

```
<li>Join us </{"wp-bit": {"type": "human-date", "date":  
"2024-02-09"}}> for the big event!</li>
```





Full HTML support.

Interactivity API.

Templating.

Block Attributes.

Bits.

Core.

Where are we going?



/ Thank you!

