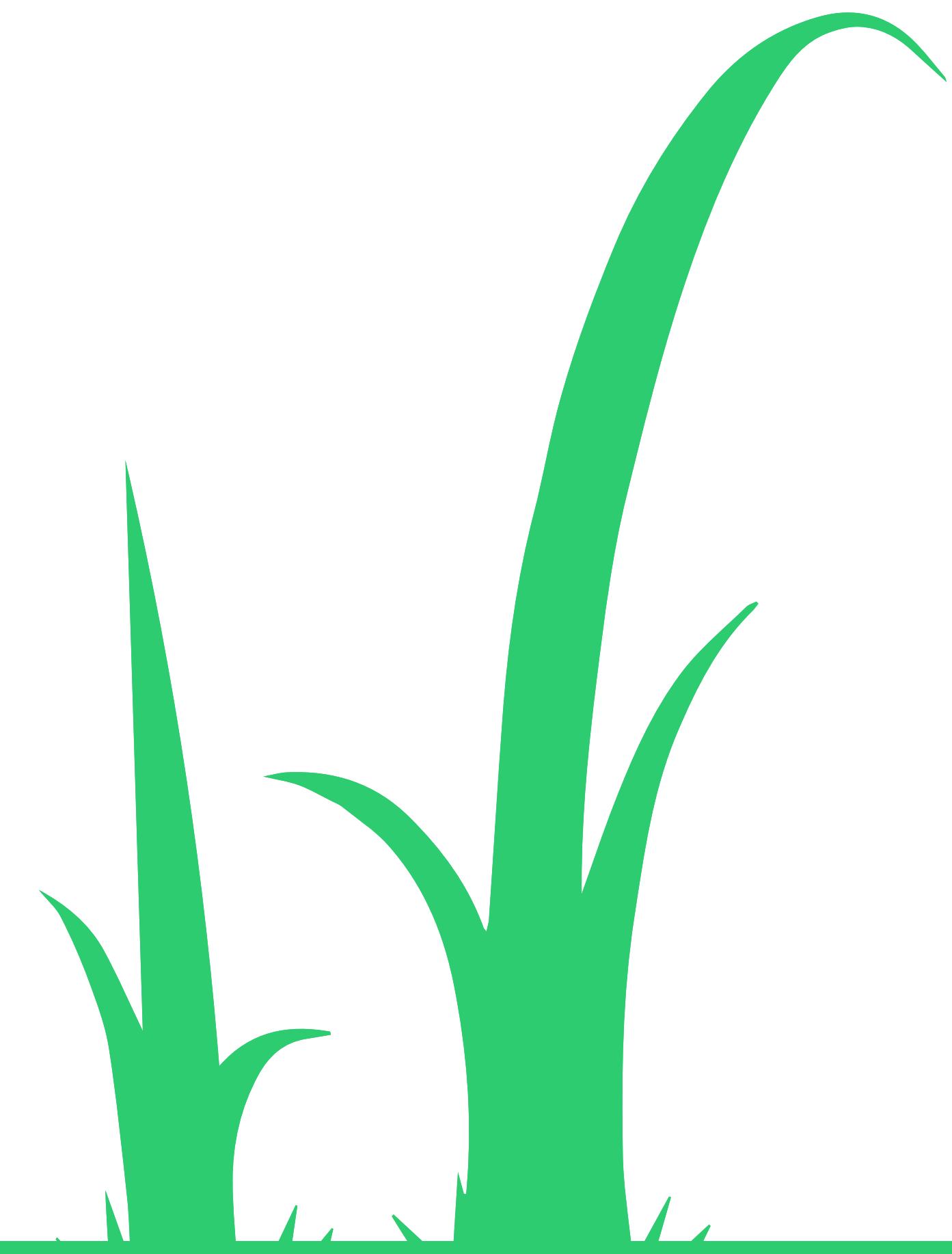


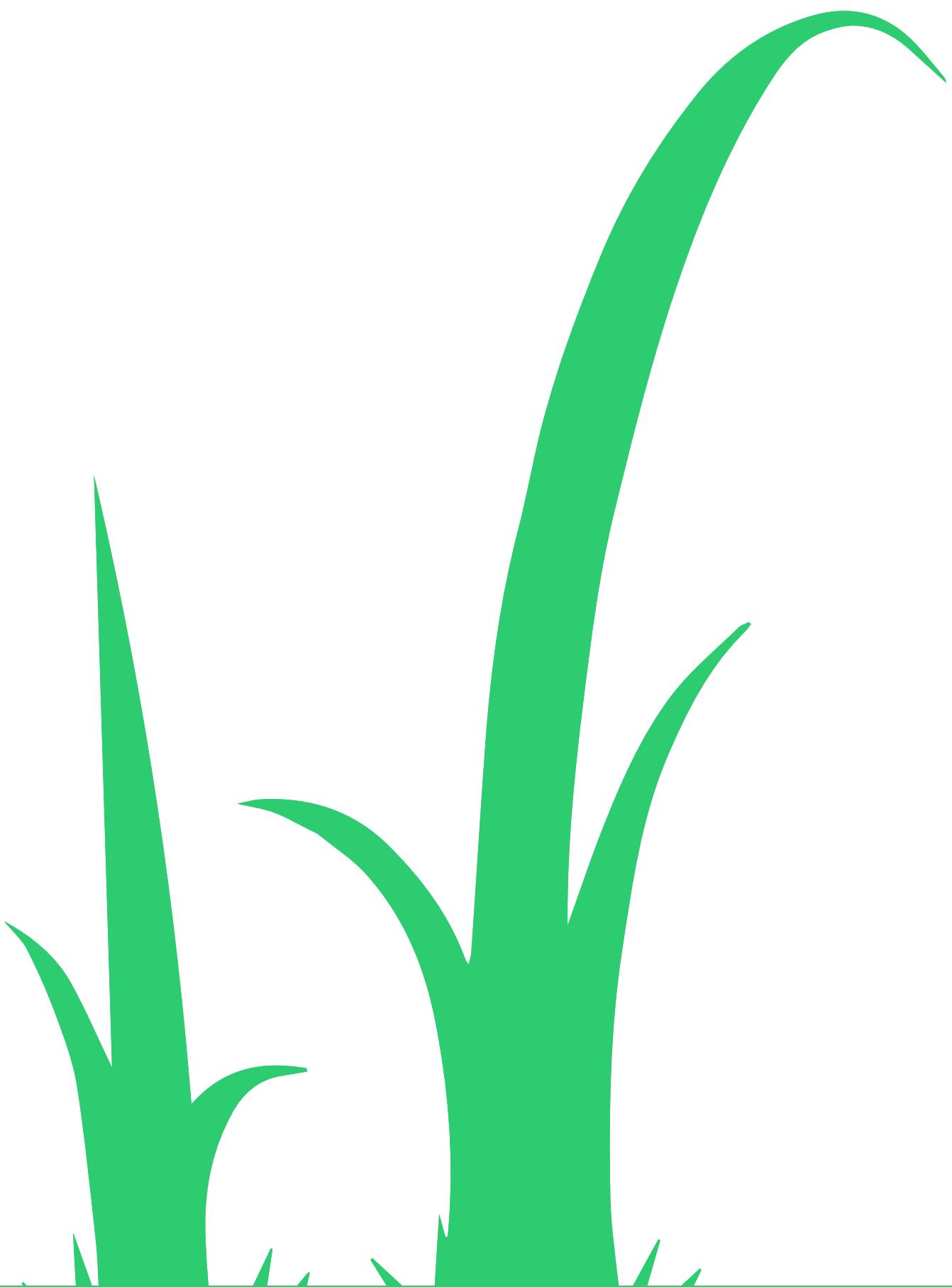
Jaime Martínez

ENHANCE your
WordPress development
With **TWIG** and **CLARKSON**

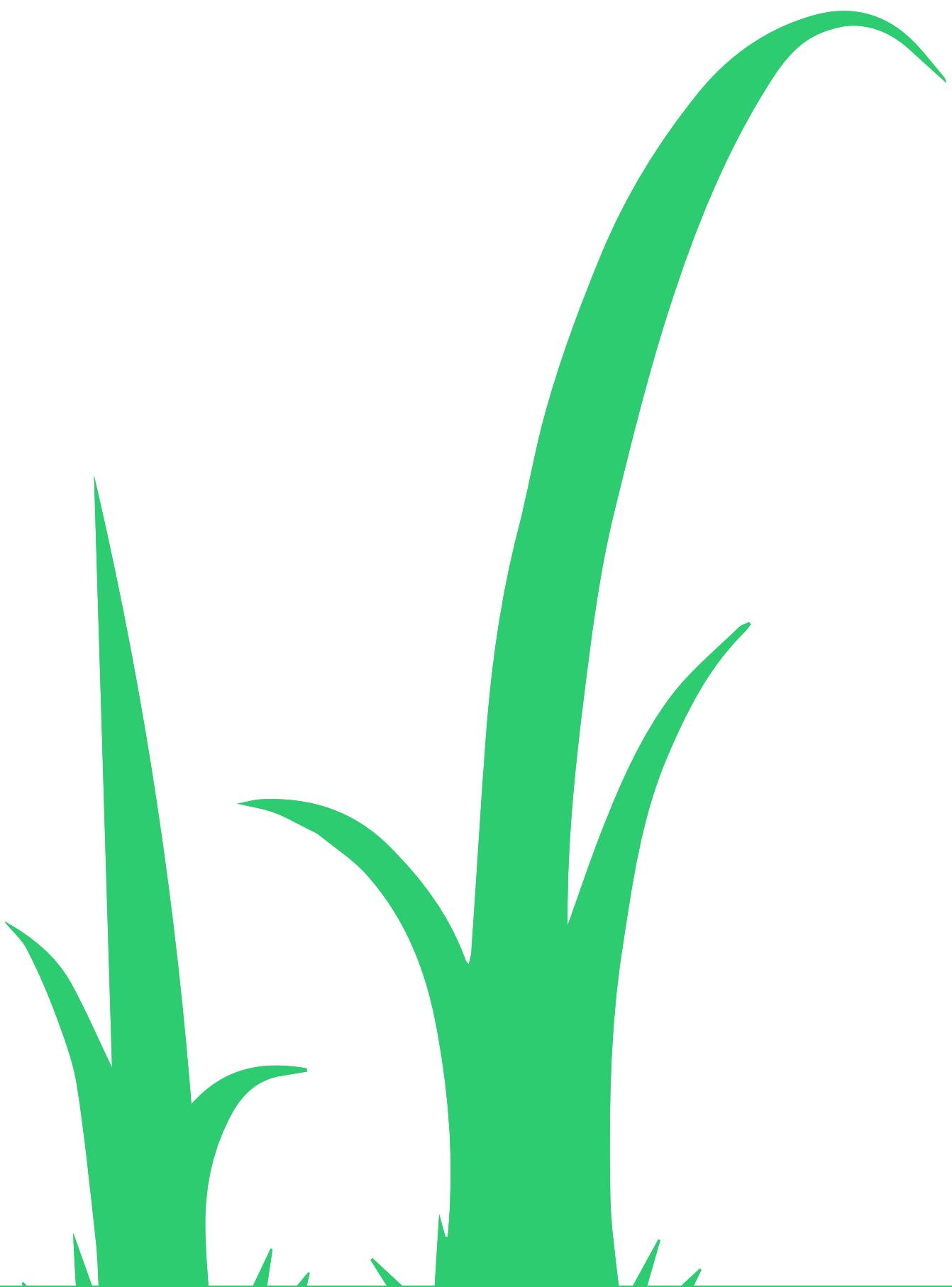
level level



Do you know
TWIG?

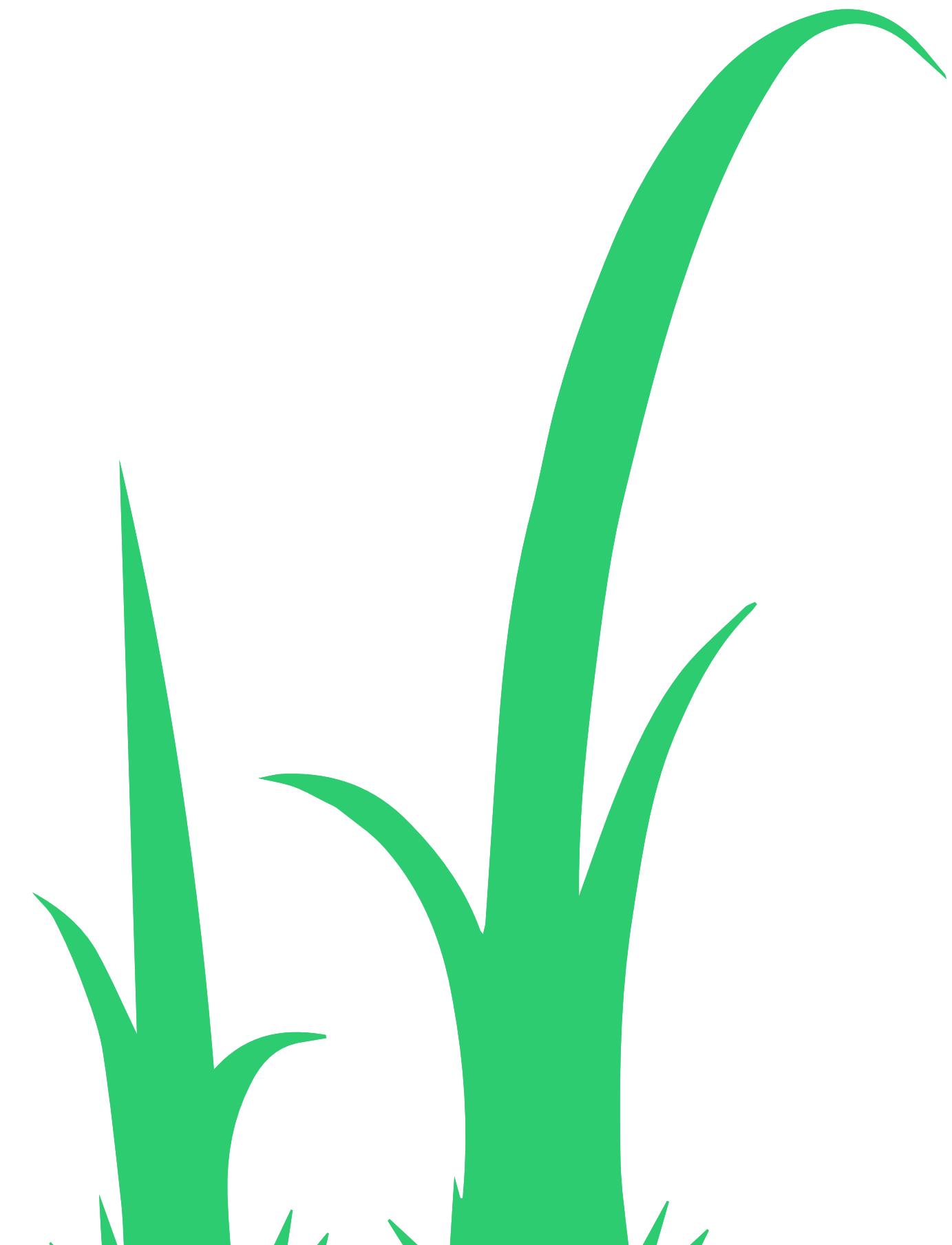


TWIG?

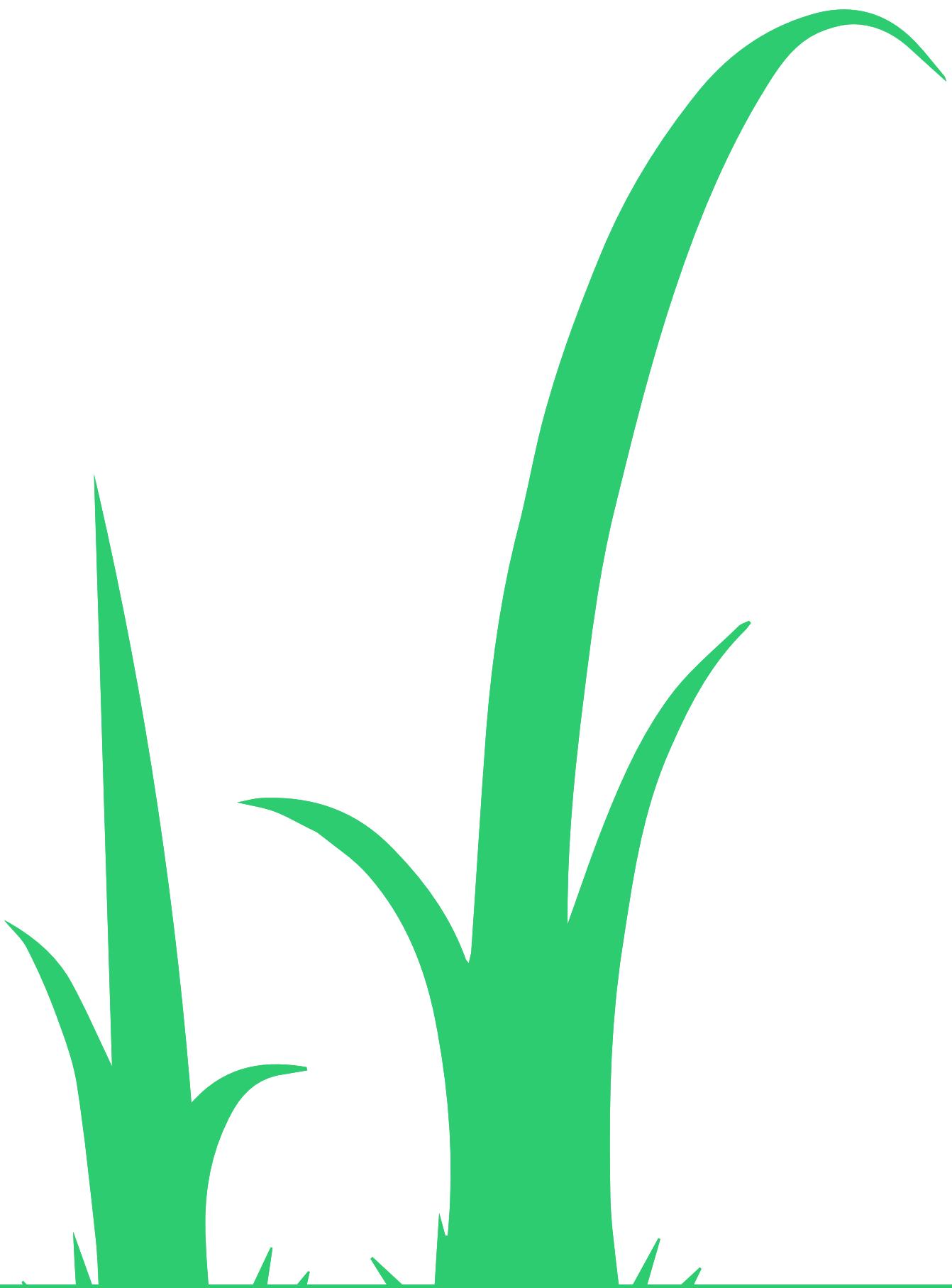


Have you worked with

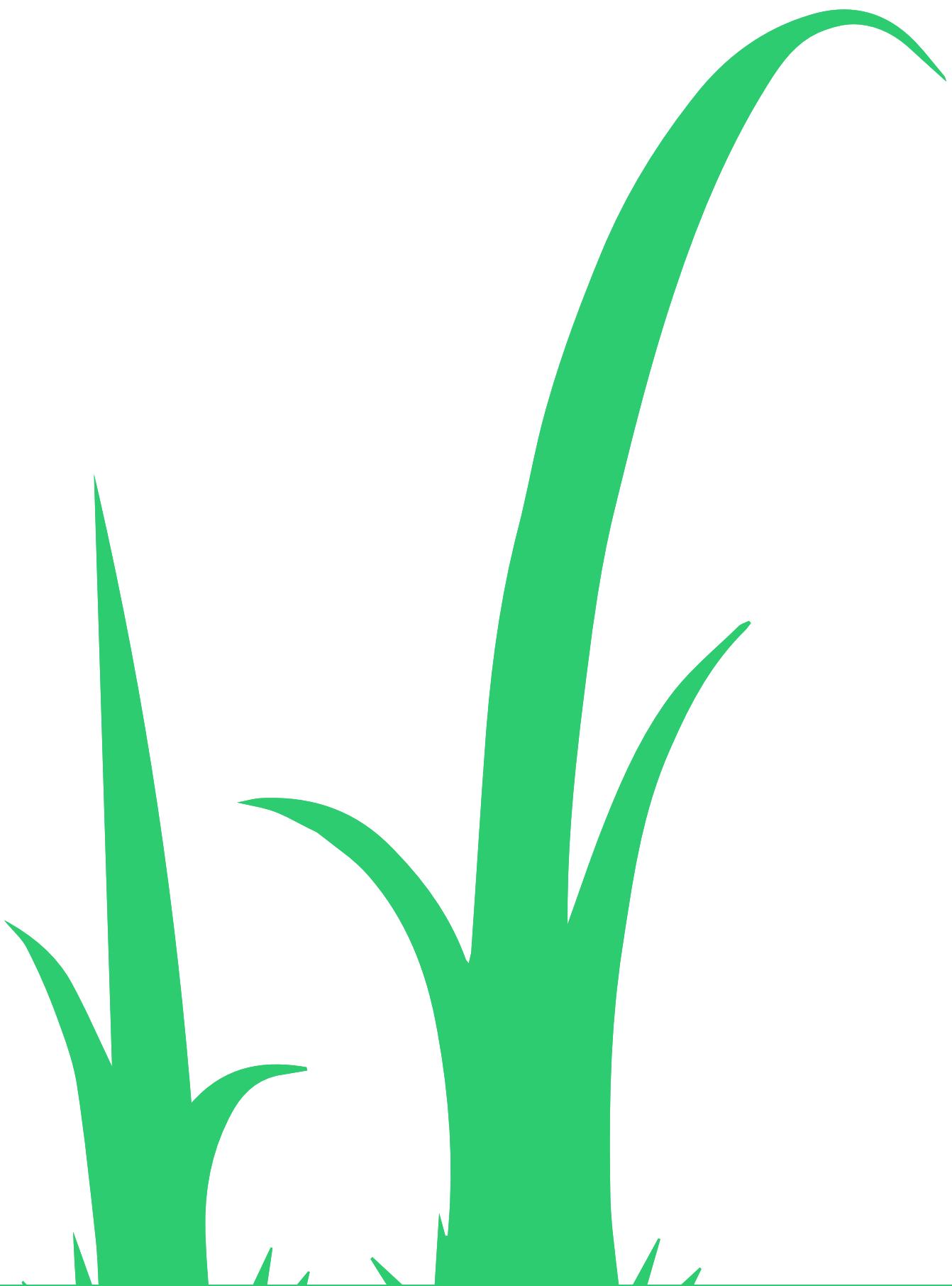
TWIG?



TWIG?



So what is
TWIG?



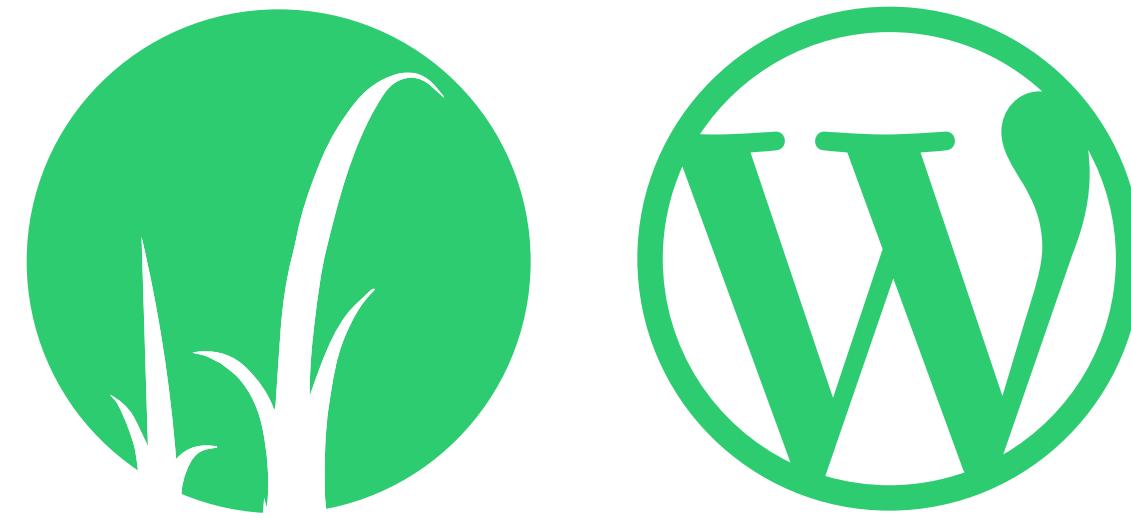
Twig is a modern template engine for PHP.

So what is
CLARKSON?

*Clarkson is a WordPress plugin which
encourages writing object-oriented code.*



*Clarkson is a WordPress plugin which
encourages writing object-oriented code.*



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encourages writing object-oriented code.*



What PROBLEM
Are we *trying* to SOLVE?



Danny van Kooten @DannyvanKooten · Mar 18

I have a dream.... for WordPress.

1. B/C break to gradually phase out some of the bad stuff (eg semver)
2. Site-wide dependency management



1



5

...



Danny van Kooten @DannyvanKooten · Mar 18

3. REST API
4. Better (modern) templating.

In that order since everything relies on the aforementioned points.



2

...



jmslbam

@jmslbam

@DannyvanKooten 4. gets solved by Clarkson
Core & Theme

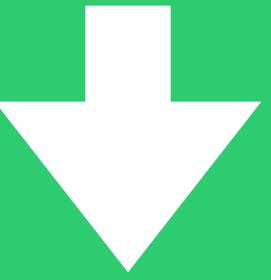


level-level/Clarkson-Core

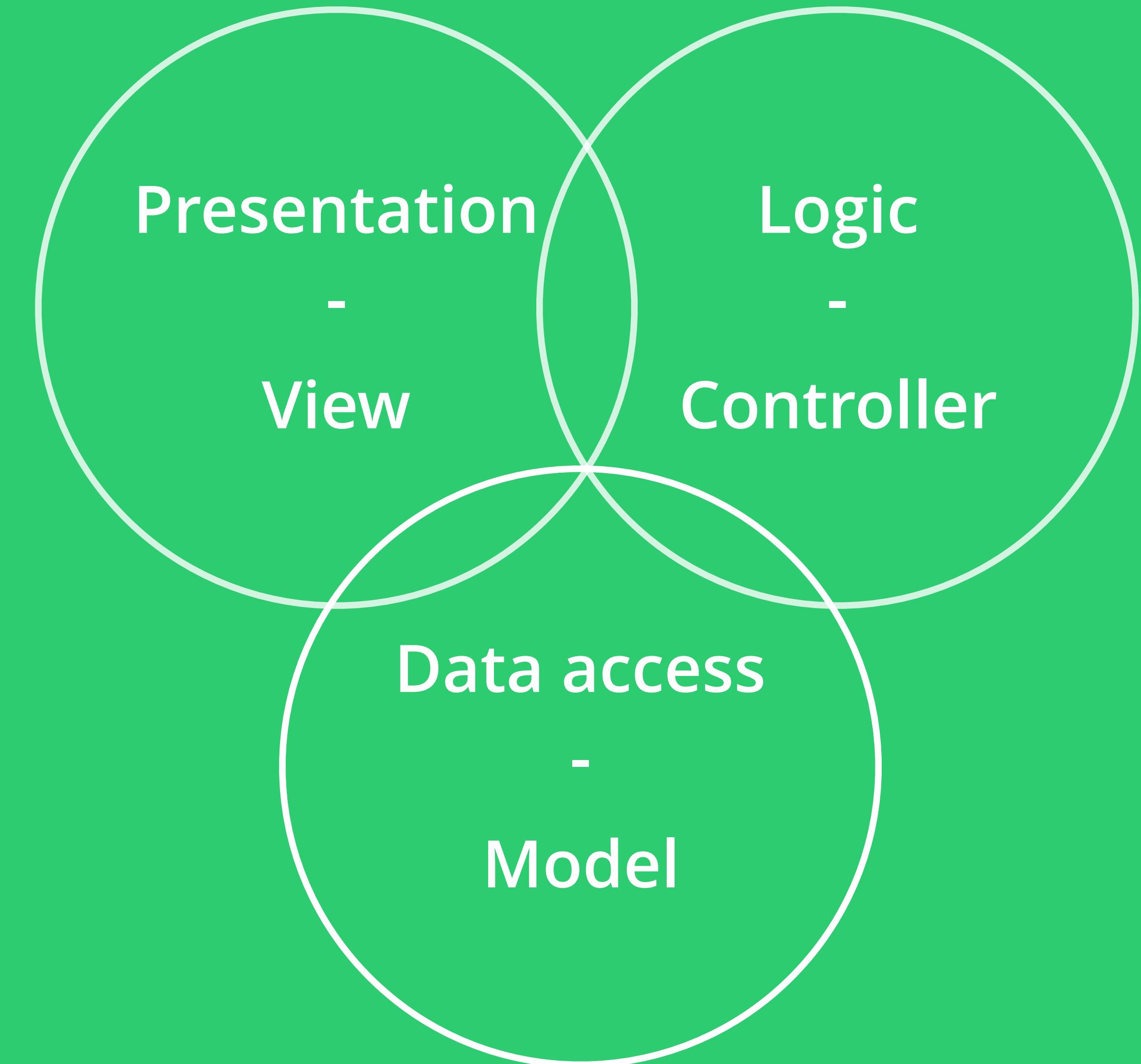
Clarkson-Core - A plugin to write Object-Oriented code in combination with the Twig templating engine while keeping the WordPress Way of working in mind.

github.com

Better (modern) templating



Separation of Concern



Presentation

-
View

Logic

-
Controller

Data access

-
Model

How do I magically register variables?

How do I magically register variables?

Menu item a

Menu item b

get_template_part('footer')

```
<footer class="content-info">

<?php if ( has_nav_menu( 'footer-menu' ) ) { ?>
<nav class="footer-nav">
    <?php wp_nav_menu( [ 'theme_location' => 'footer-menu' ] ); ?>
</nav>
<?php } ?>

<?php echo get_option('ll-footer-text') . ' - Copyright ' .
date('Y'); ?>

</footer>
```

footer.twig

```
<footer class="content-info">

    {%- if ( footer.menu is empty ) %}

        <nav class="footer-nav">
            {{ footer.menu }}
        </nav>
    {%- endif %}

    {{ footer.text | raw }}

</footer>
```

footer.php

```
class Footer {  
  
    function __construct() {  
        add_filter( 'clarkson_context_args', array( $this, 'add_context_args' ) );  
    }  
  
    function get_text(){  
        return get_option('ll-footer-text') . ' - Copyright ' . date('Y');  
    }  
  
    function add_context_args( $objects ) {  
        $objects['footer']['menu'] = wp_nav_menu( ['theme_location'=>'footer-menu'] );  
        $objects['footer']['text'] = $this->get_text();  
        return $objects;  
    }  
}
```

How do I set up my
TEMPLATES?



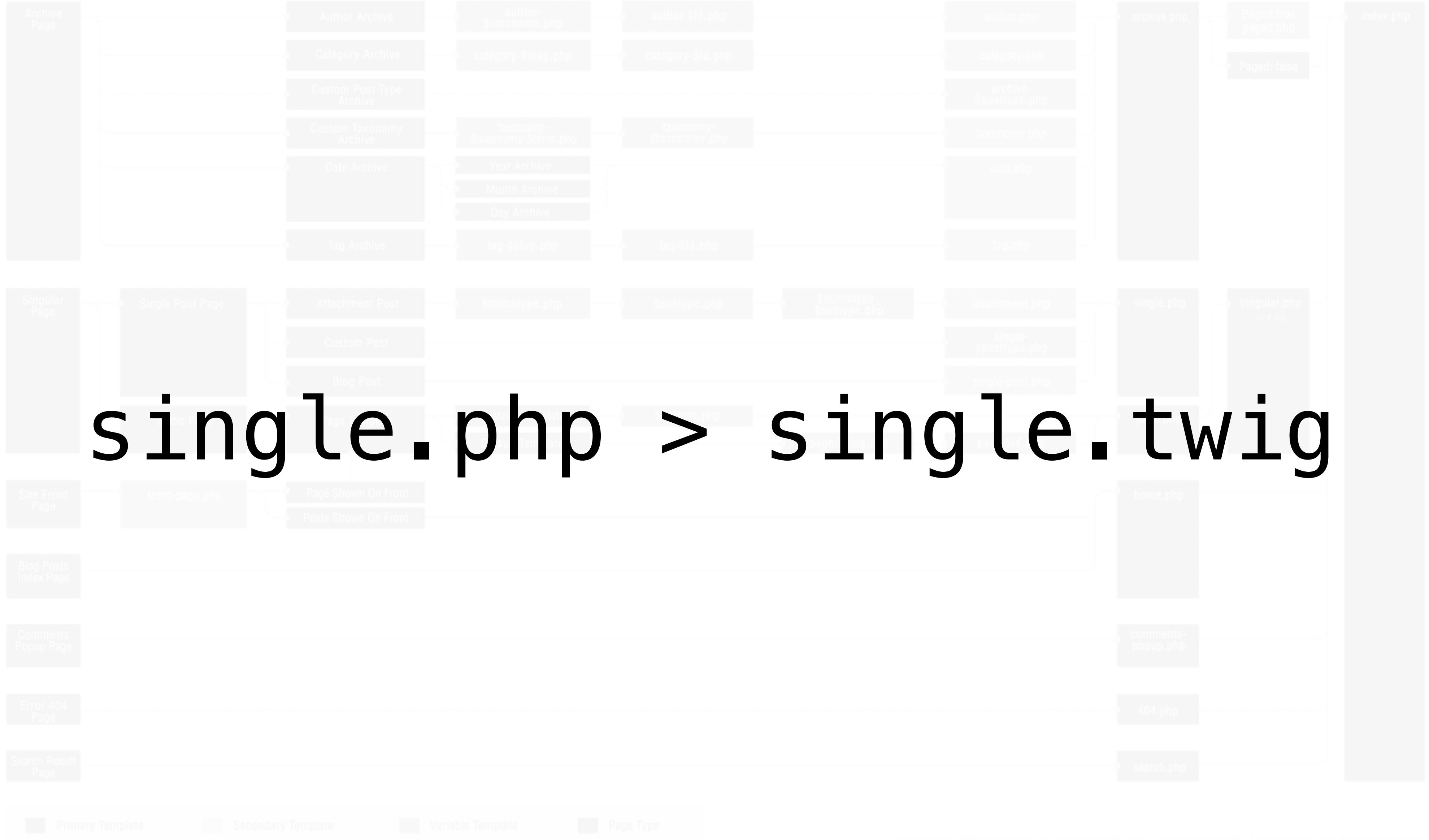
■ Primary Template

■ Secondary Template

■ Variable Template

■ Page Type

Designed By Michelle Schulp of marktimemedia.com | @marktimemedia | wphierarchy.com by @ramiabraham



Set up a layout file (layouts/2-columns.twig)

```
{% include 'defaults/head.twig' %}

<main class="main">
    {% block content %}
        {% include 'partials/content.twig' %}
    {% endblock %}
</main>
<sidebar>
    {% block sidebar %}
        {% include 'partials/sidebar.twig' %}
    {% endblock %}
</sidebar>

{% include 'defaults/footer.twig' %}
```

Extend this layout file [single.twig]

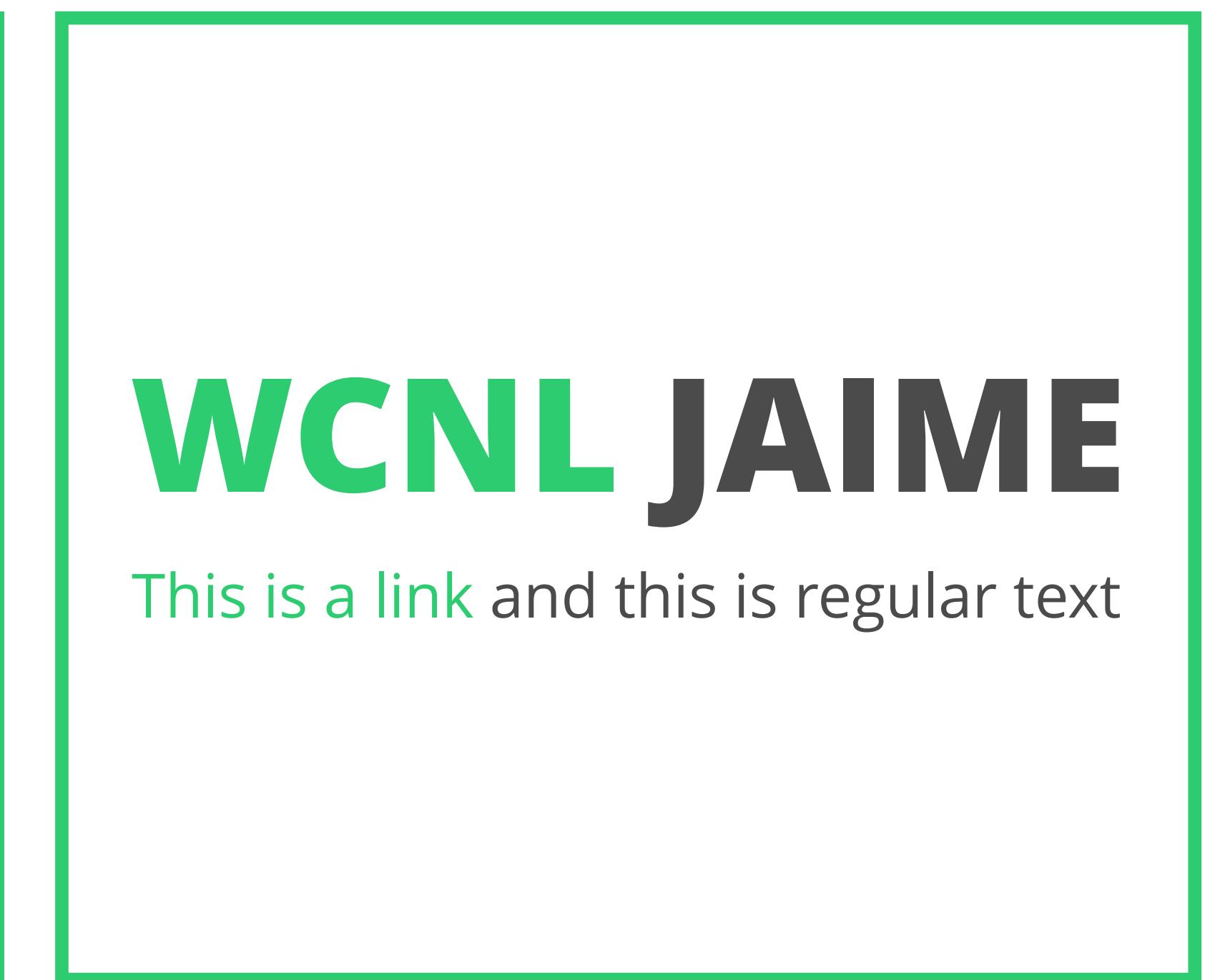
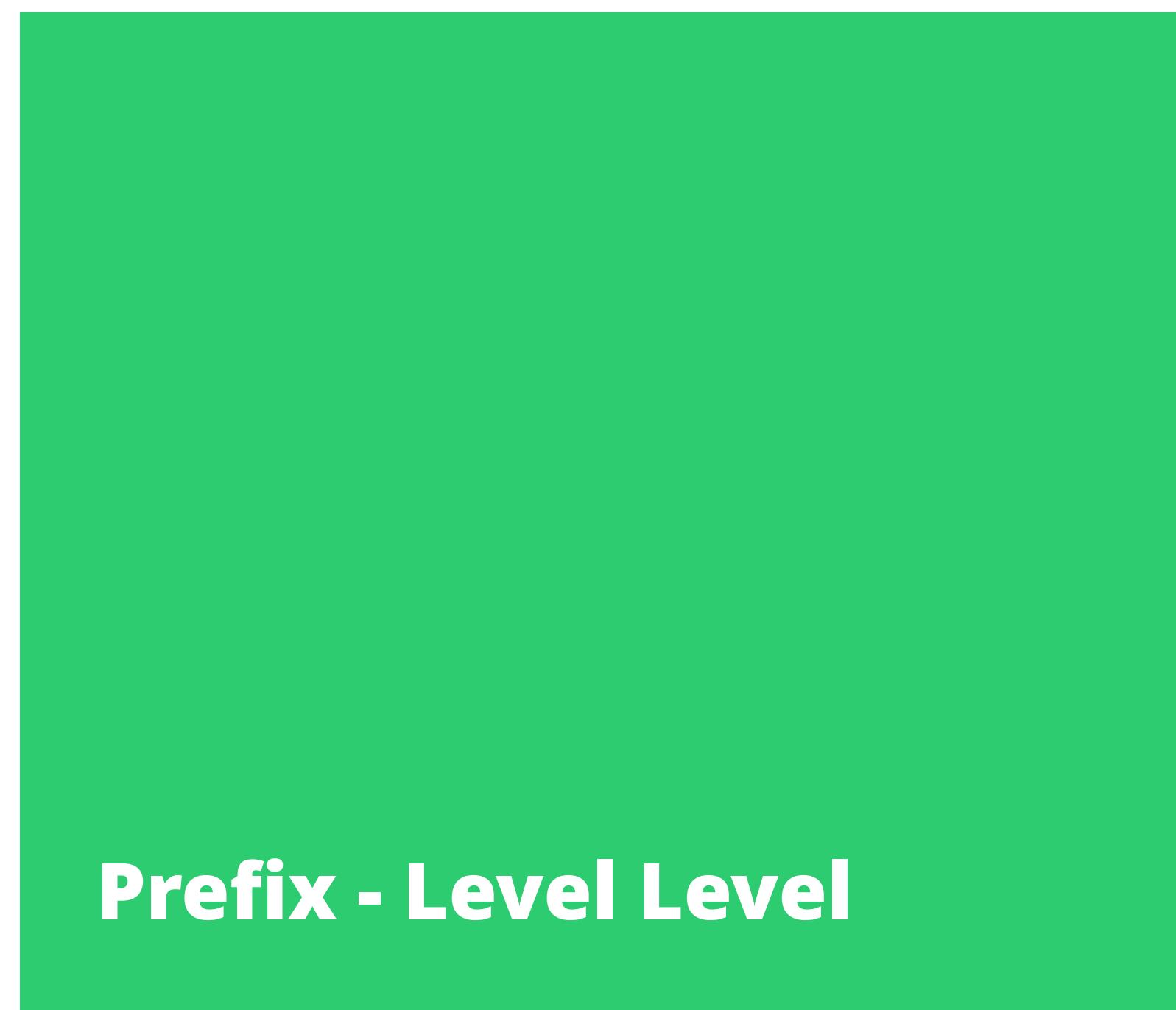
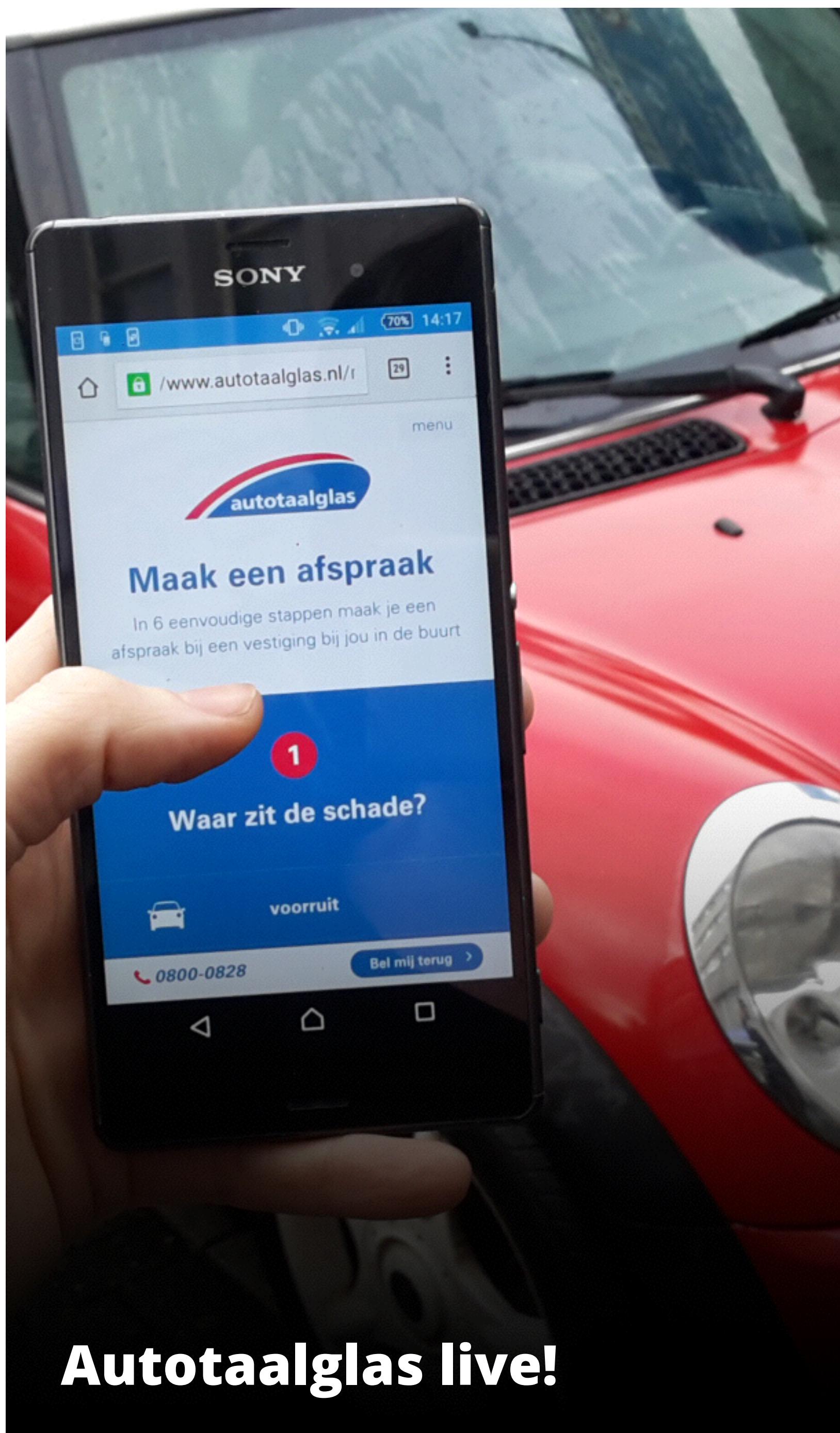
```
{% extend 'layouts/2-columns.twig' %}

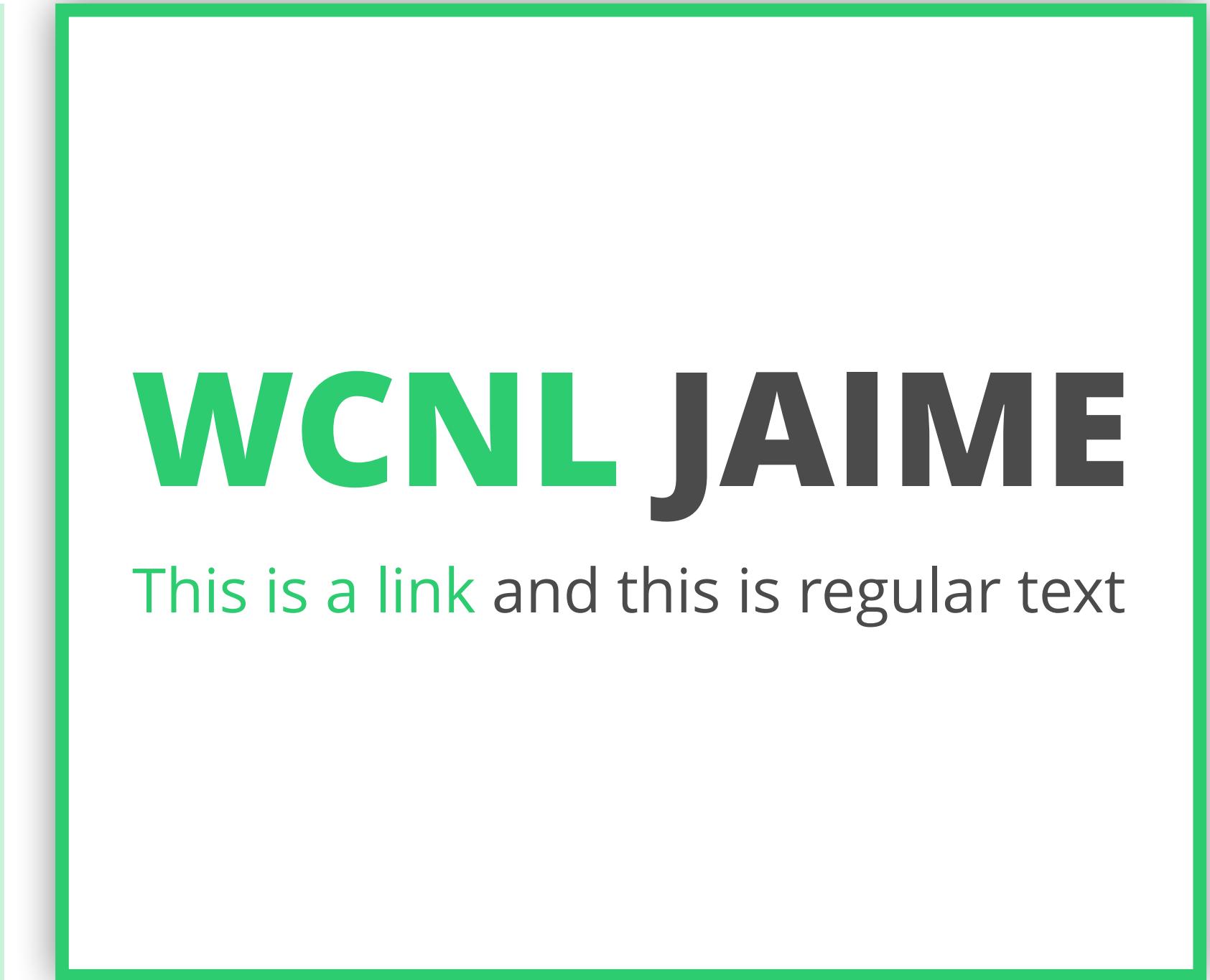
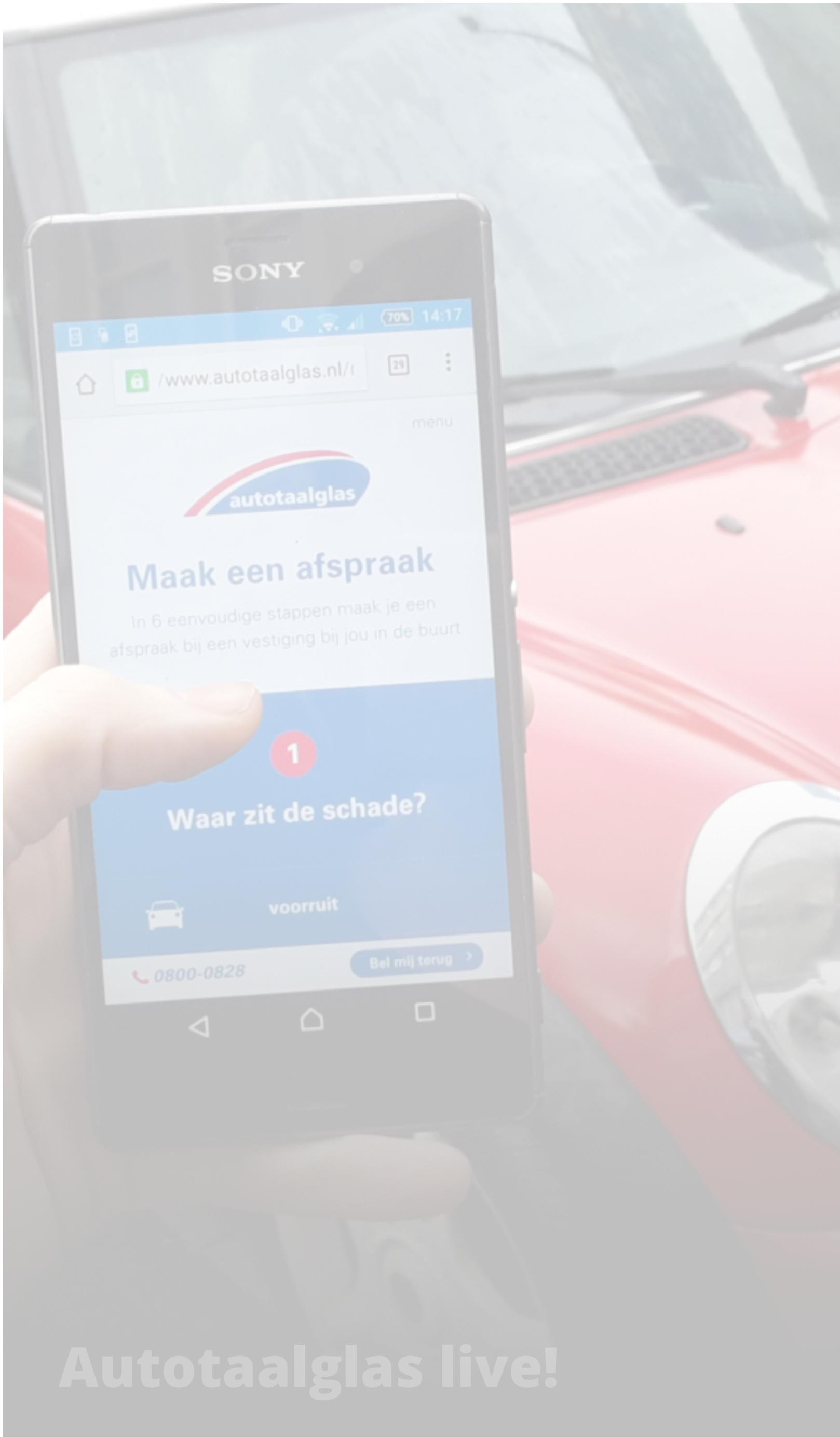
{% block content %}

    {% include 'post/content.twig' %}

    {# Or some other custom HTML #}

{% endblock %}
```





Global partial file [partials/teaser.twig]

```
<div class="grid-cell">  
    {%- block content %}  
        Default fallback content  
    {%- endblock %}  
</div>
```

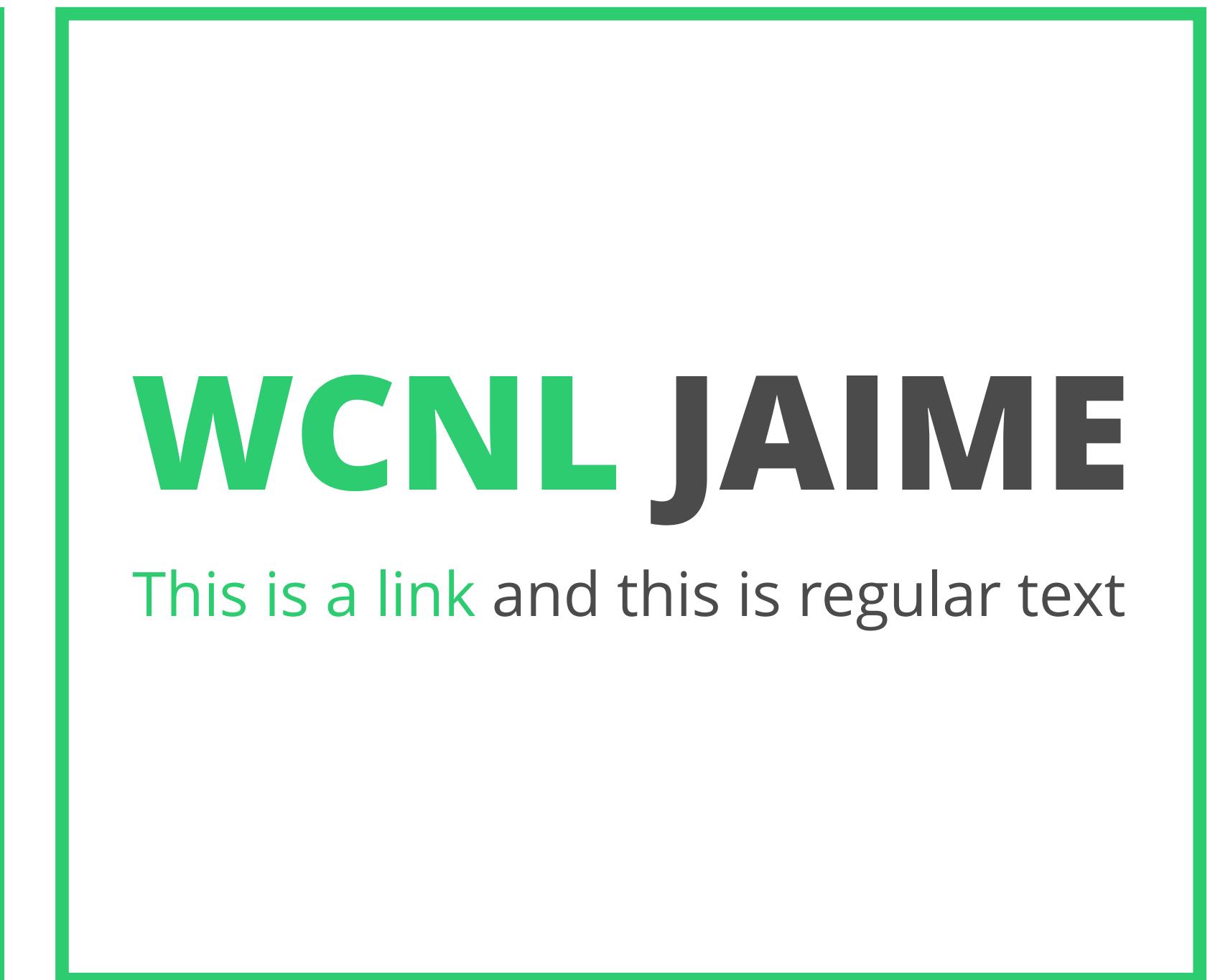
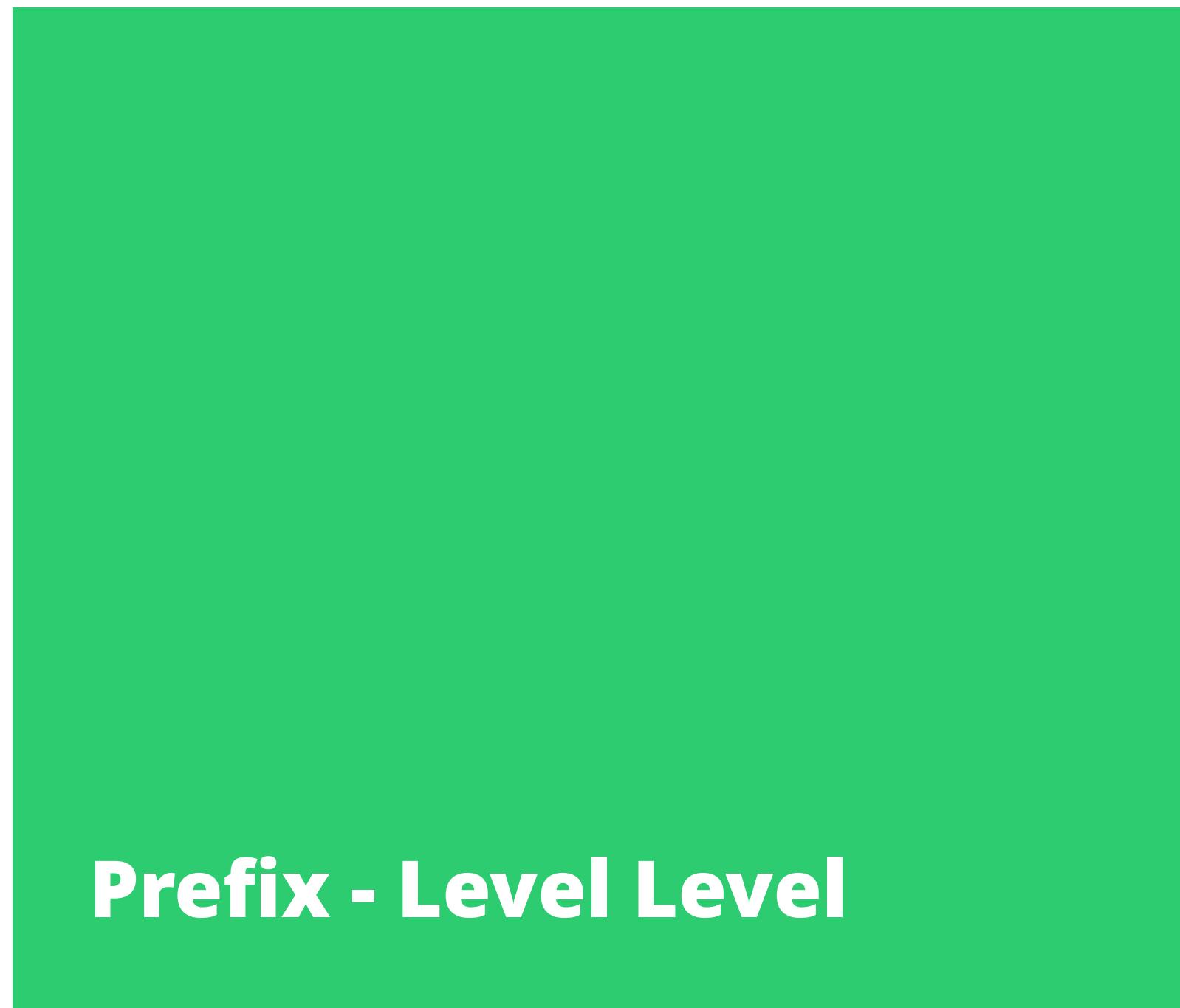
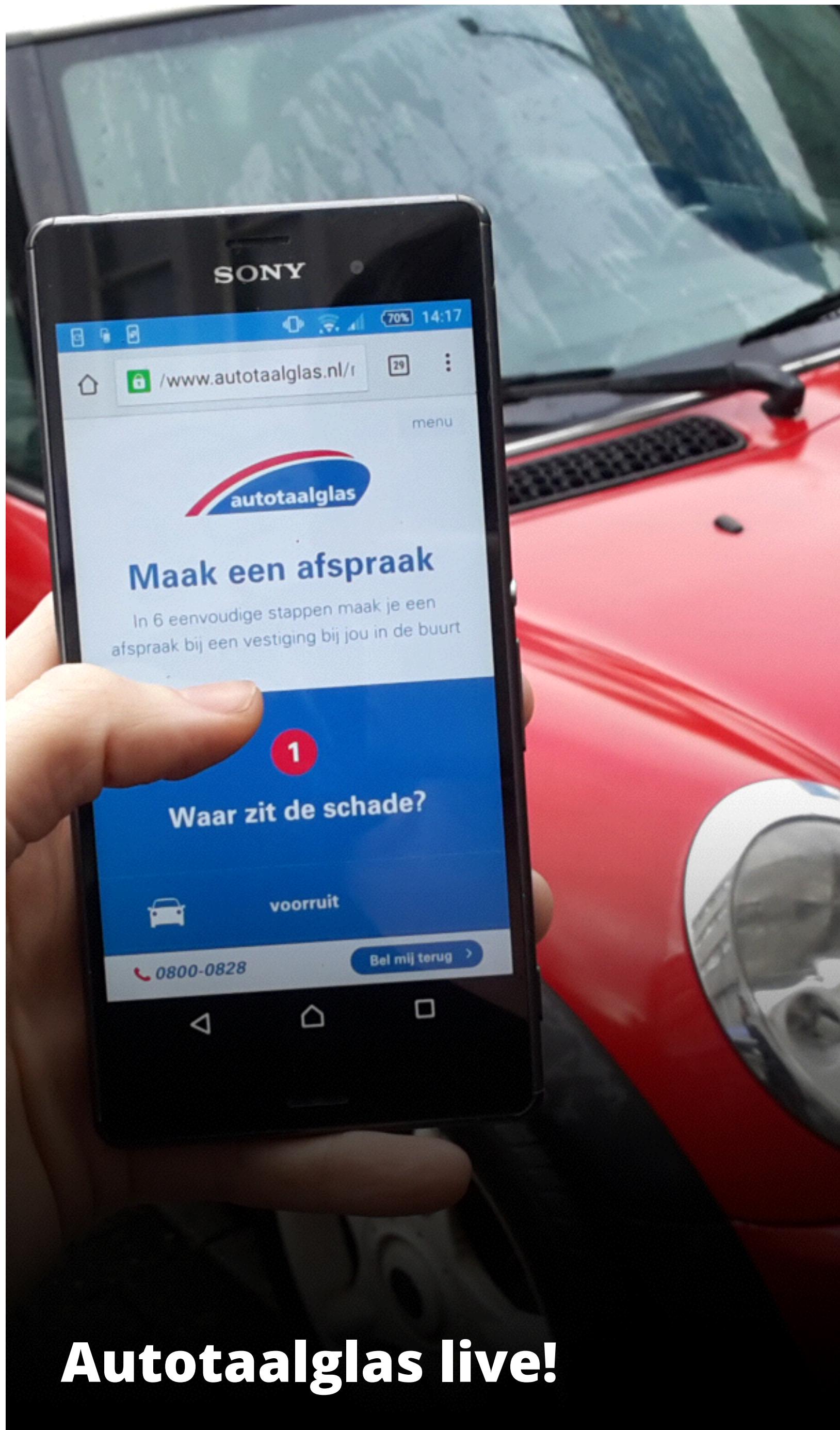
Extend this partial [internal-ad/teaser.twig]

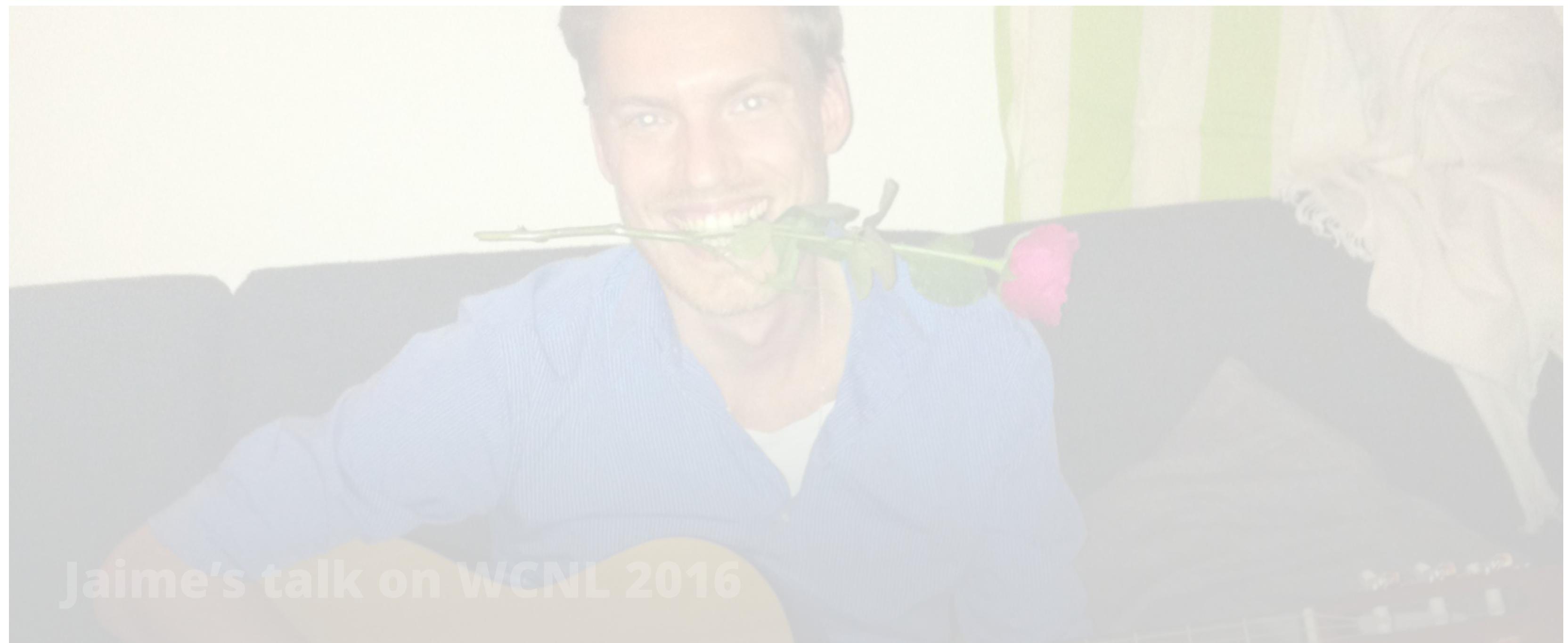
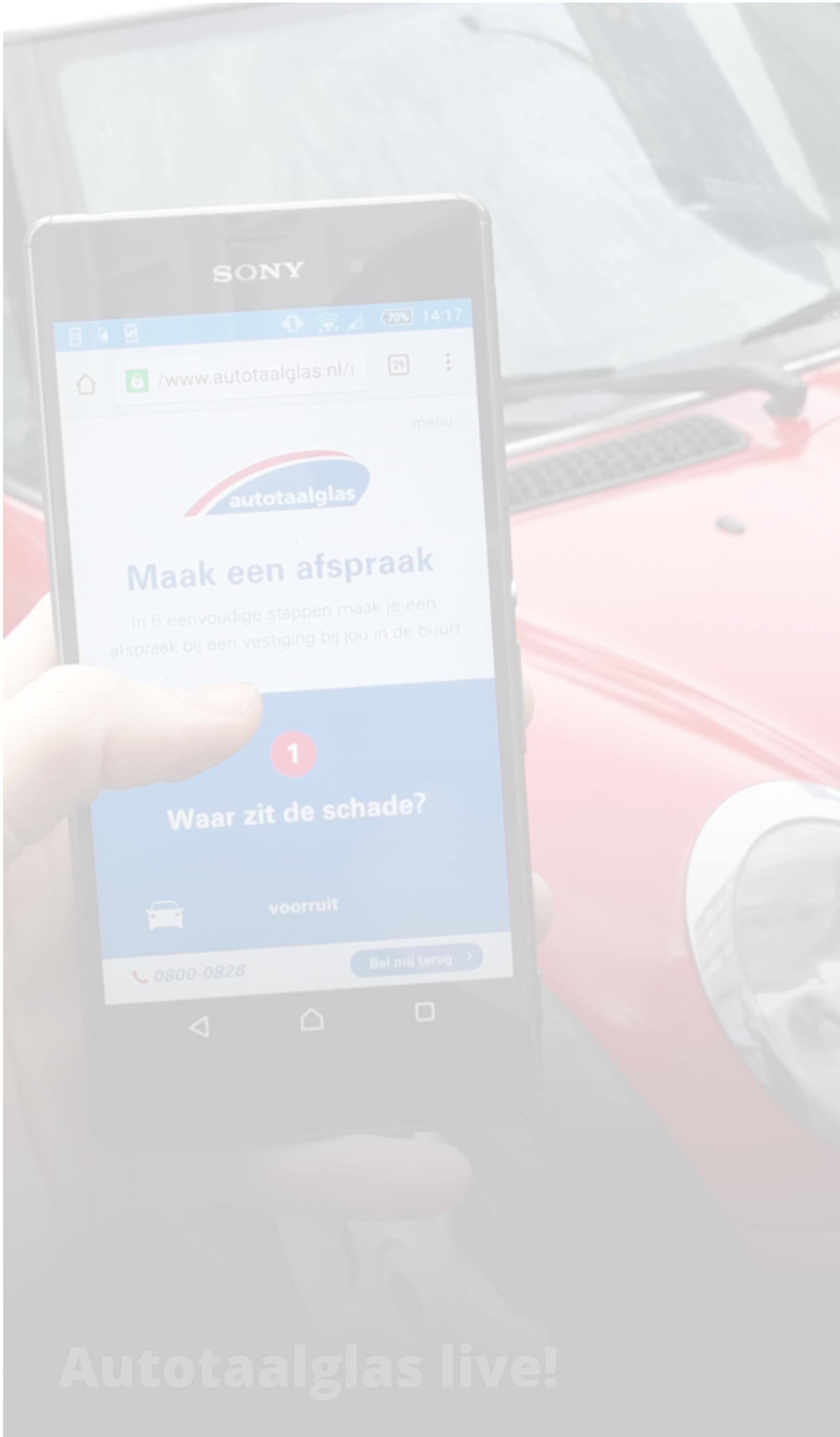
```
{% extend 'partials/teaser.twig' %}

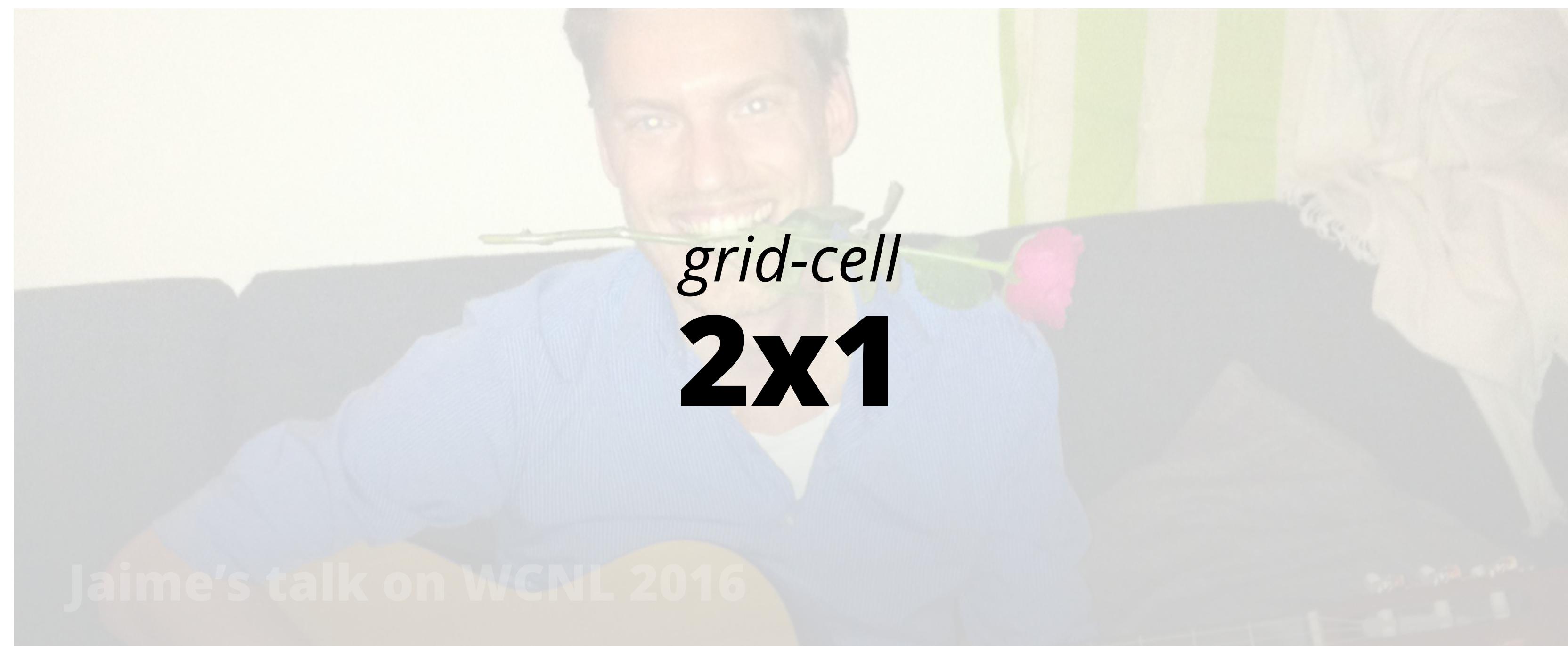
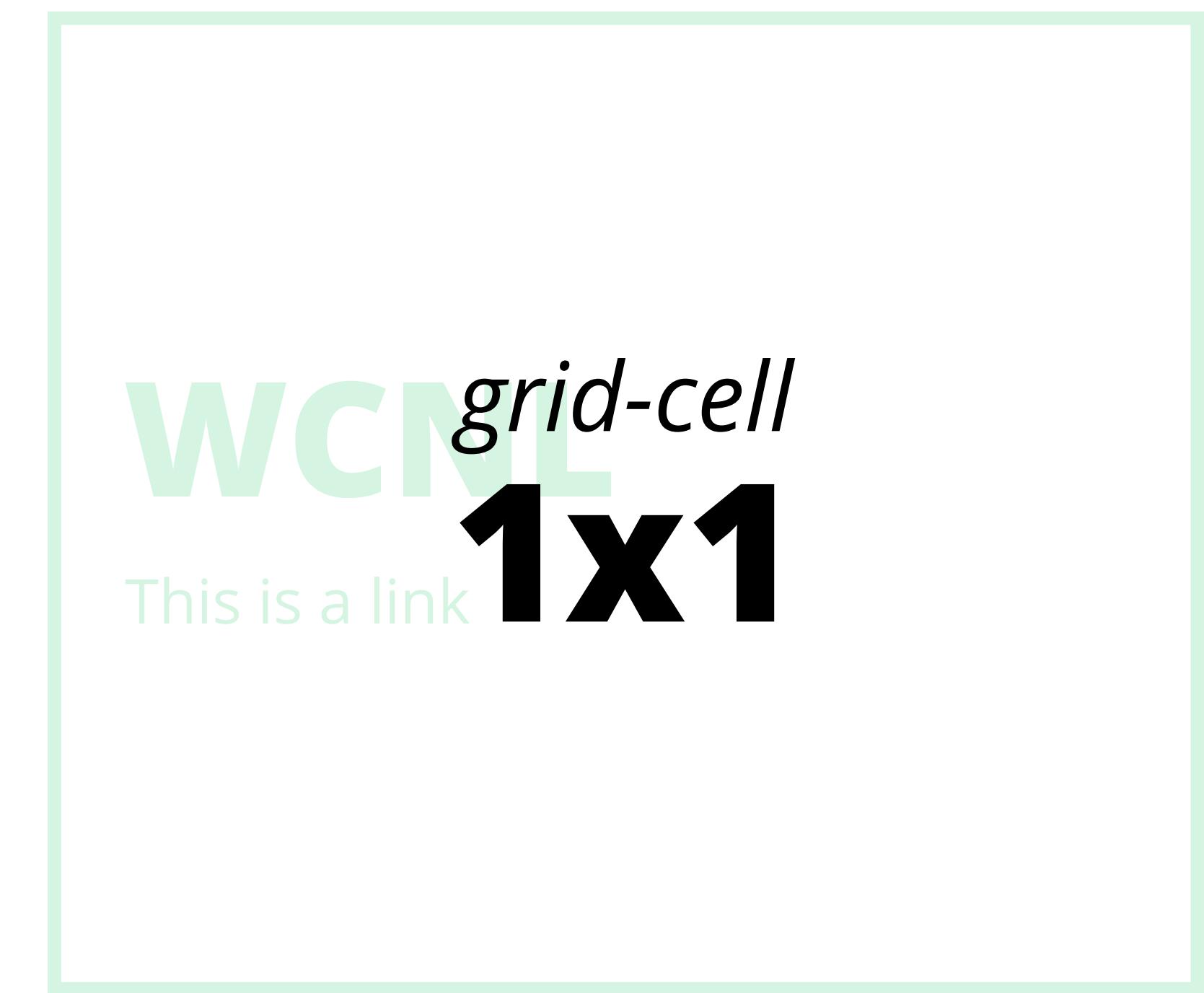
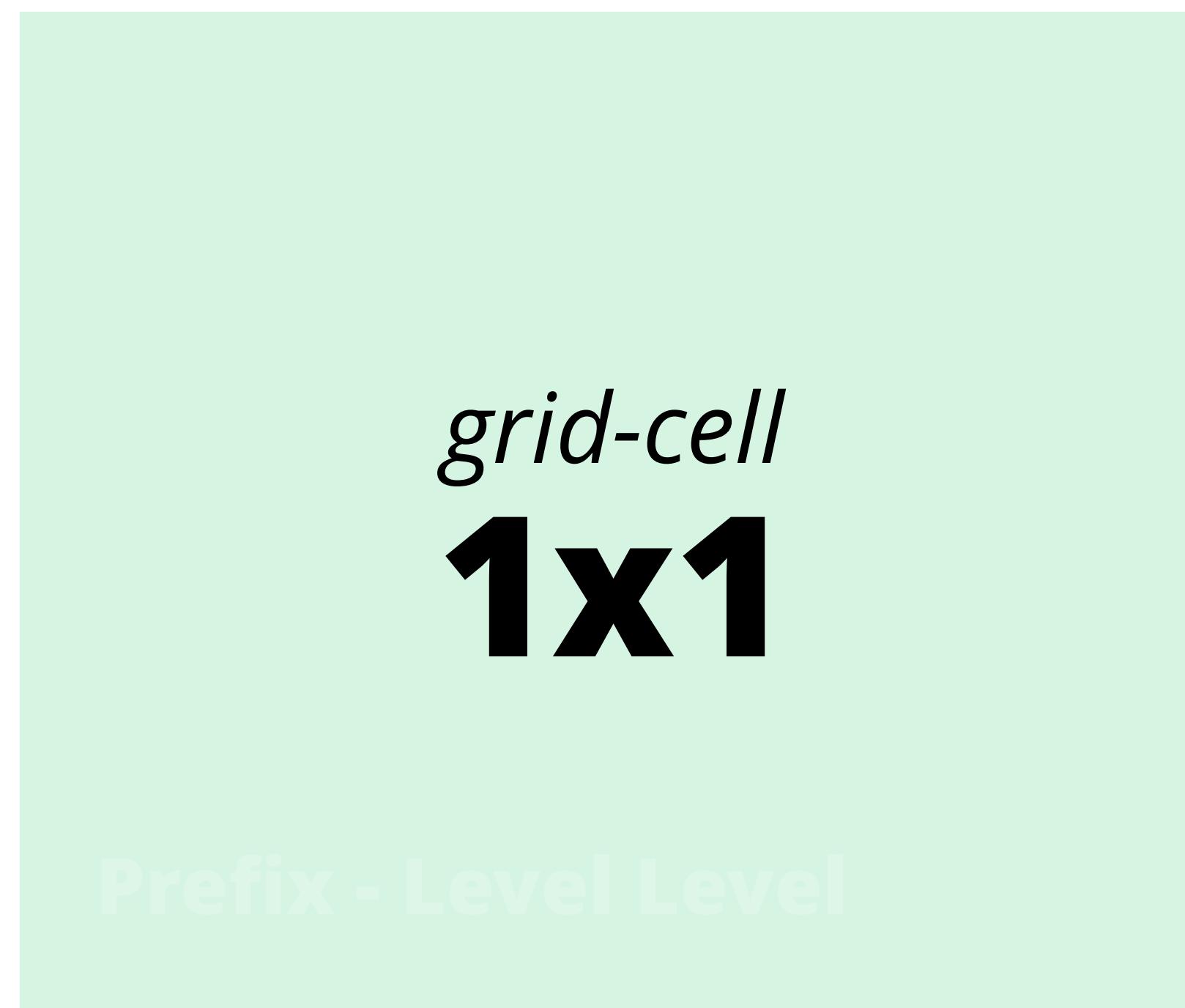
{% block content %}
    <script type="text/javascript">
        // Some Javascript to load Advertisement
    </script>
{% endblock %}
```

How did MODULAR CSS help us?

SMACCS / OOCSS / BEM / AtomCSS







Prefix - Level Level

WCNL JAIME

This is a link and this is regular text



Jaime's talk on WCNL 2016



Autotaalglas live!

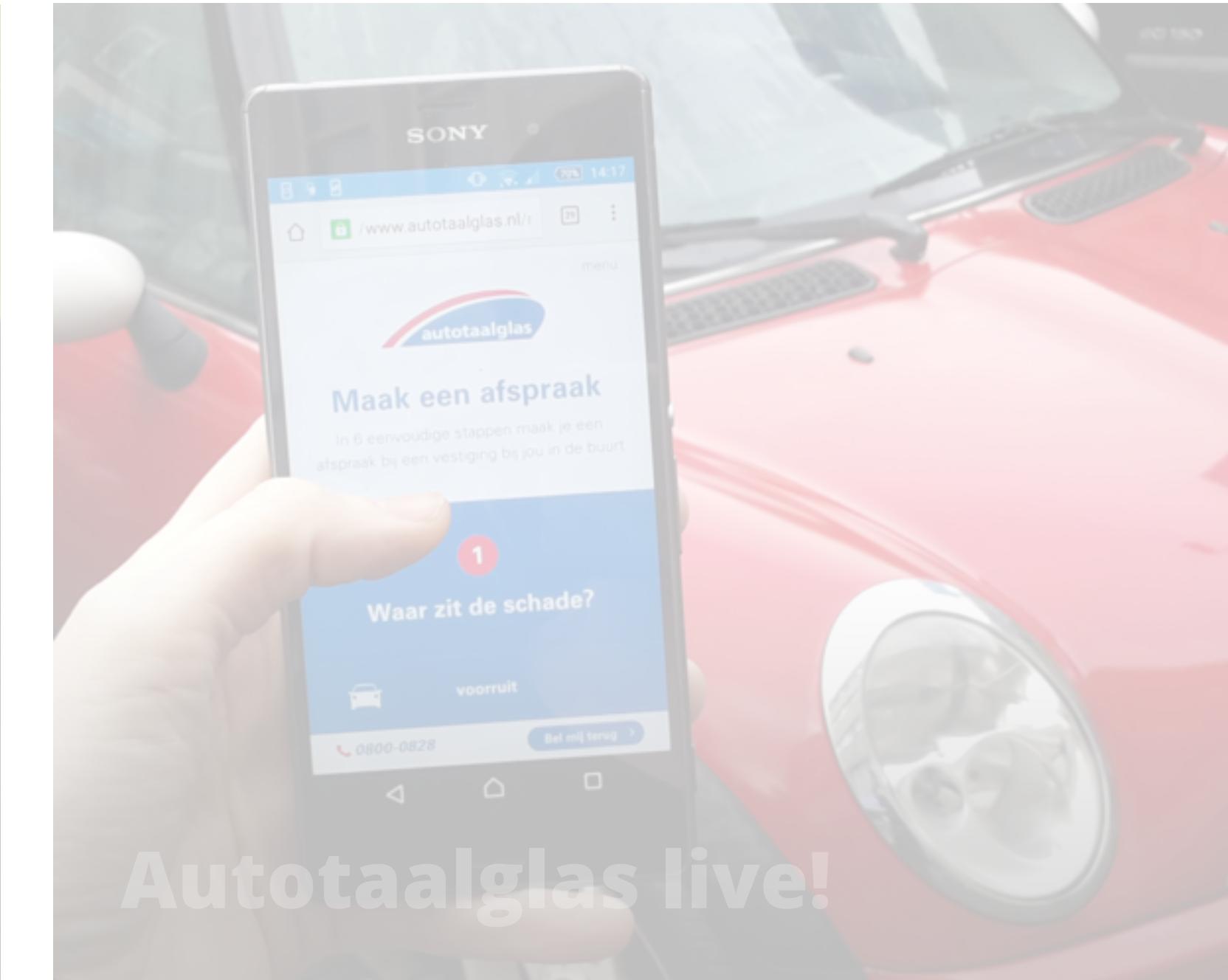
Prefix - Level Level

WCNL

This is a link



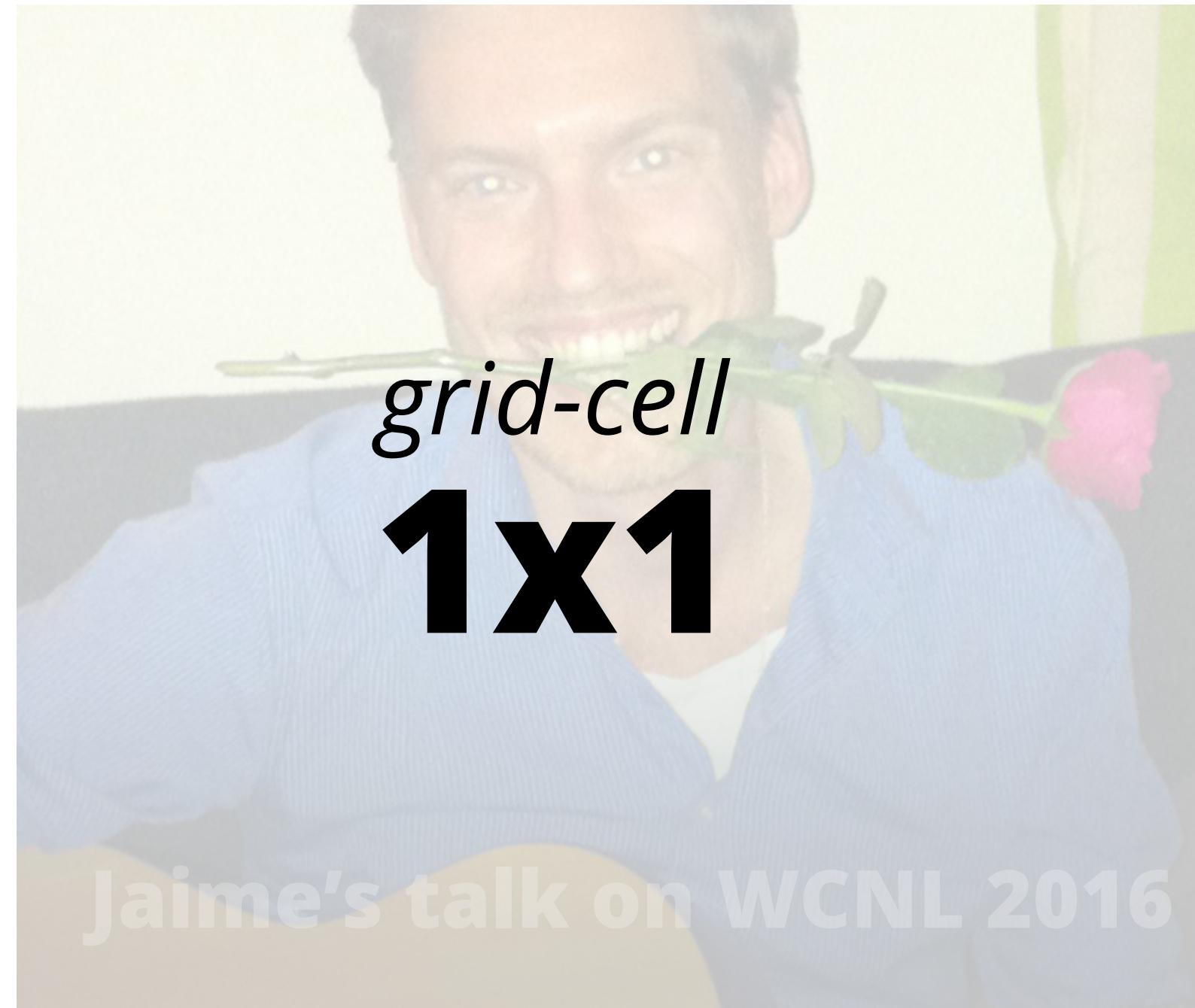
Jaime's talk on WCNL 2016



Autotaalglas live!

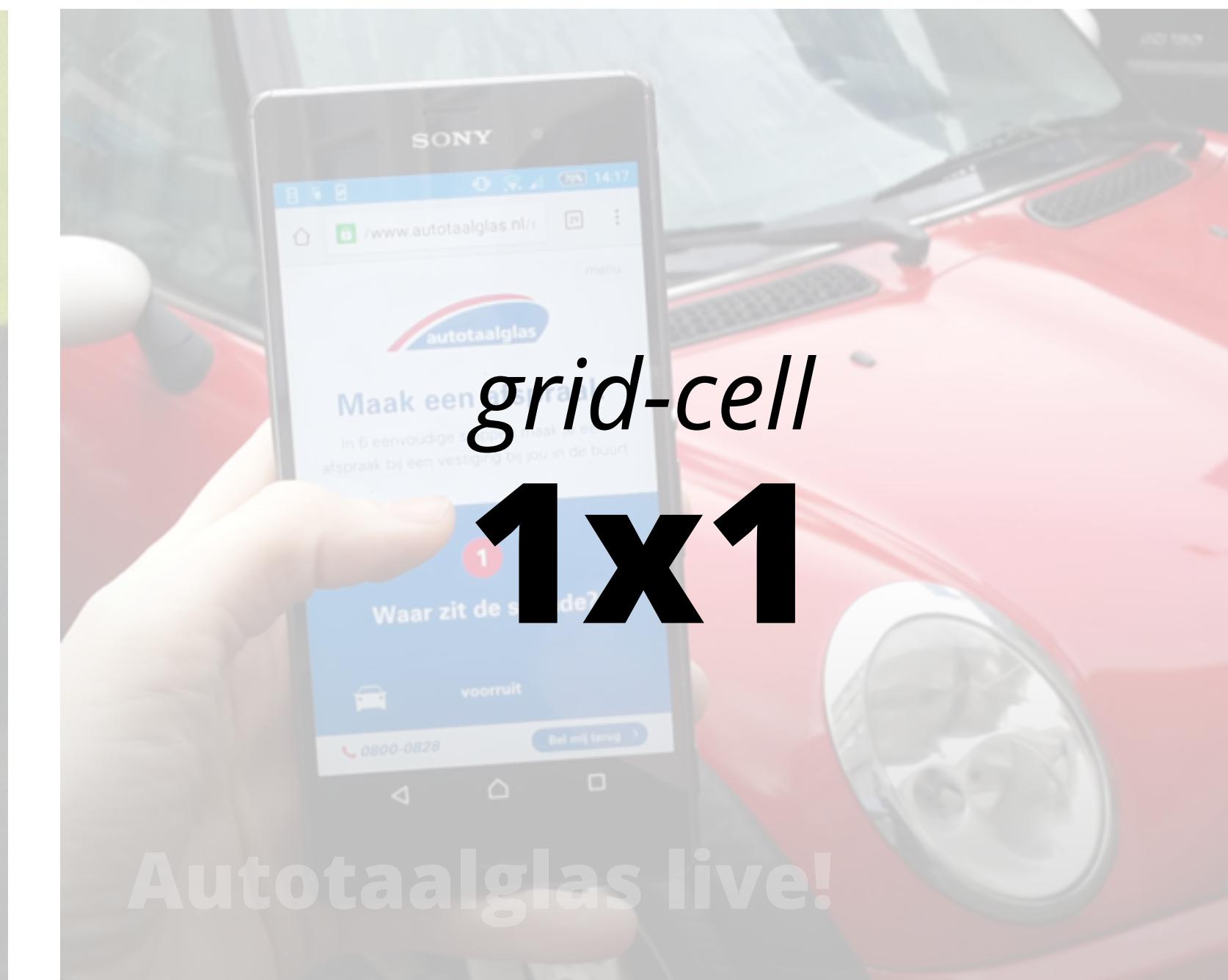
Prefix - Level Level

grid-cell
1x2



WCNL
2x1

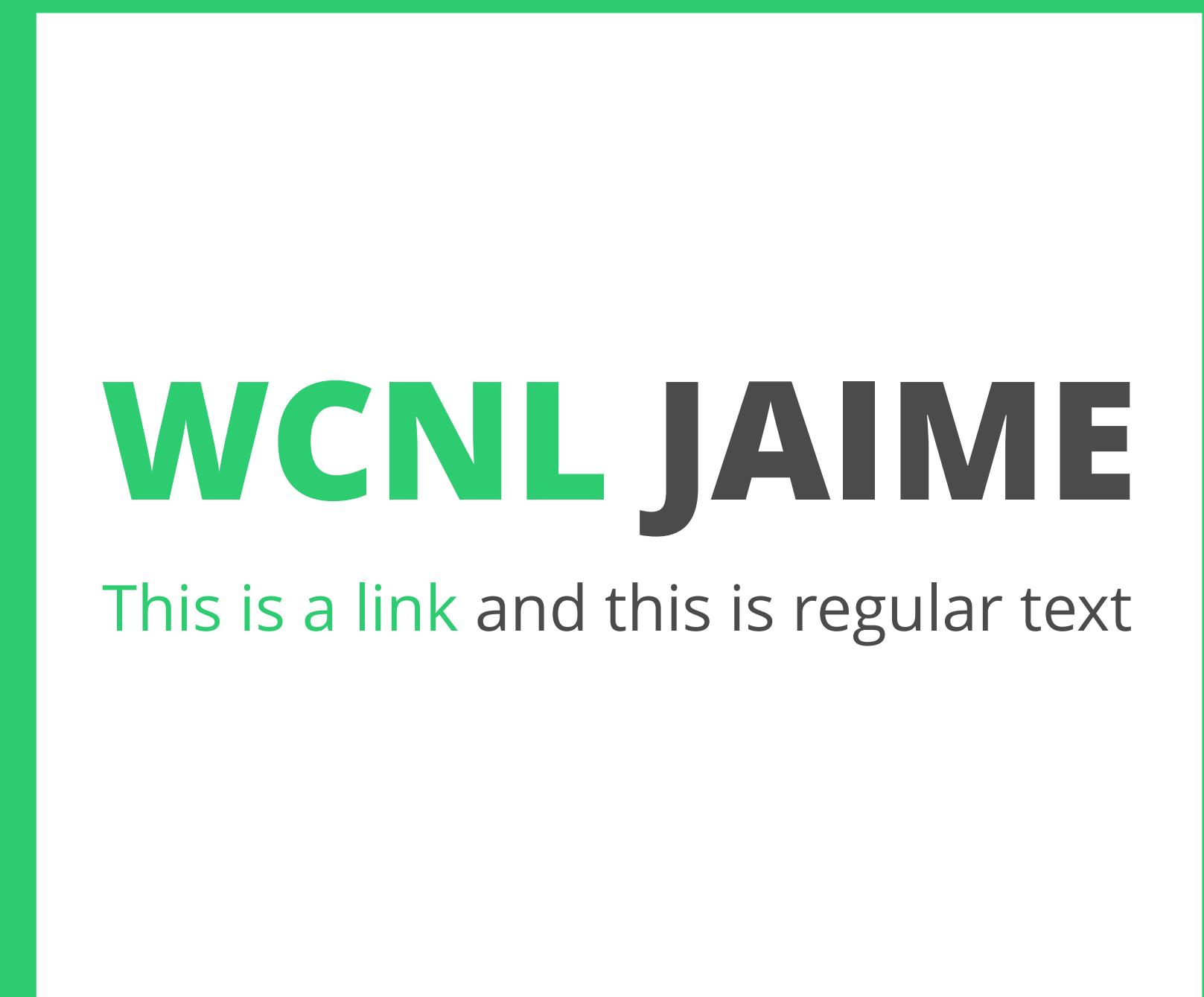
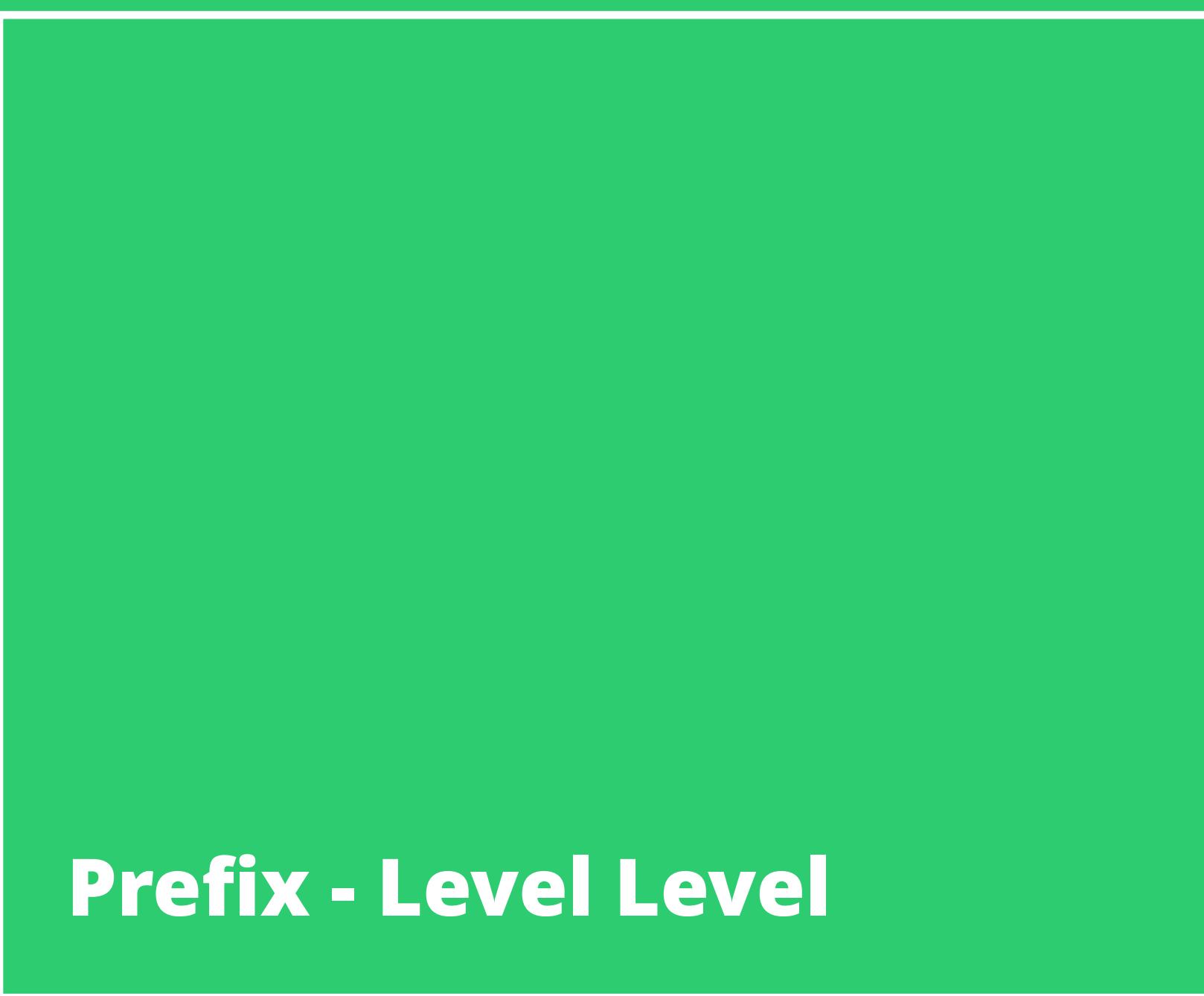
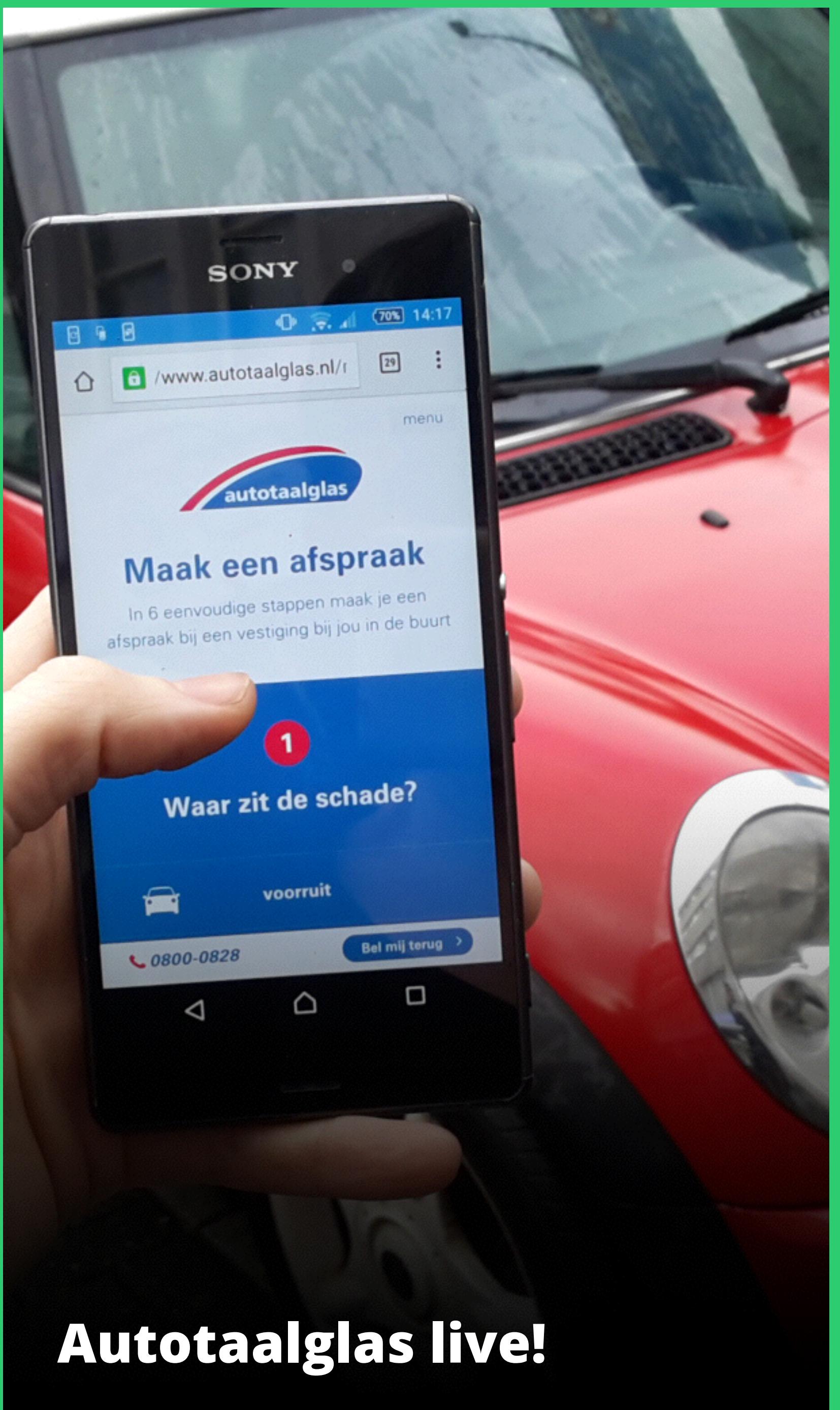
This is a link

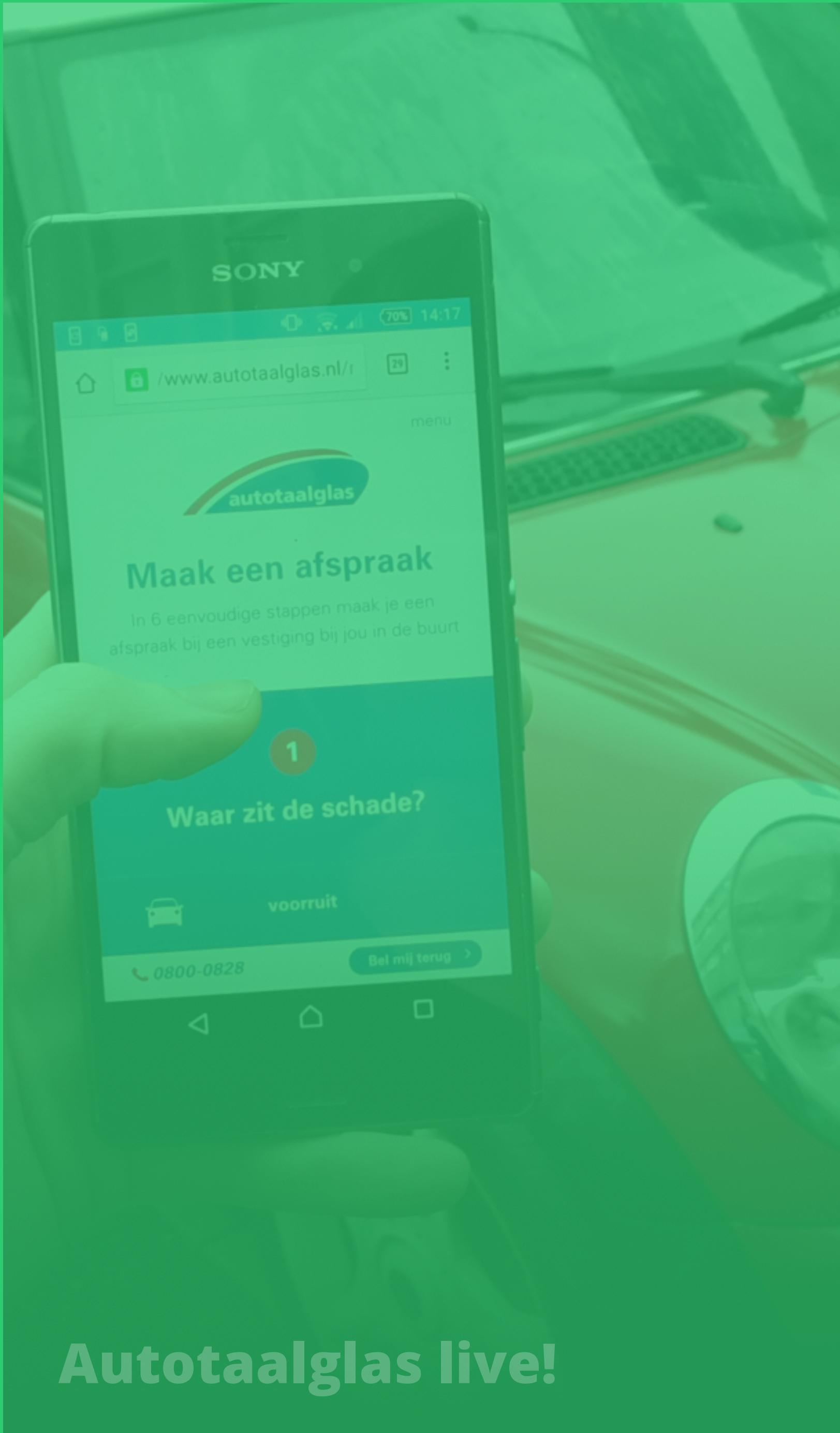


```
<div class="grid-cell grid-cell-1x2 grid-cell-post">
<div class="grid-cell grid-cell-2x1 grid-cell-post">
<div class="grid-cell grid-cell-1x2 grid-cell-partner-post">
<div class="grid-cell grid-cell-1x1 grid-cell-internal-ad">

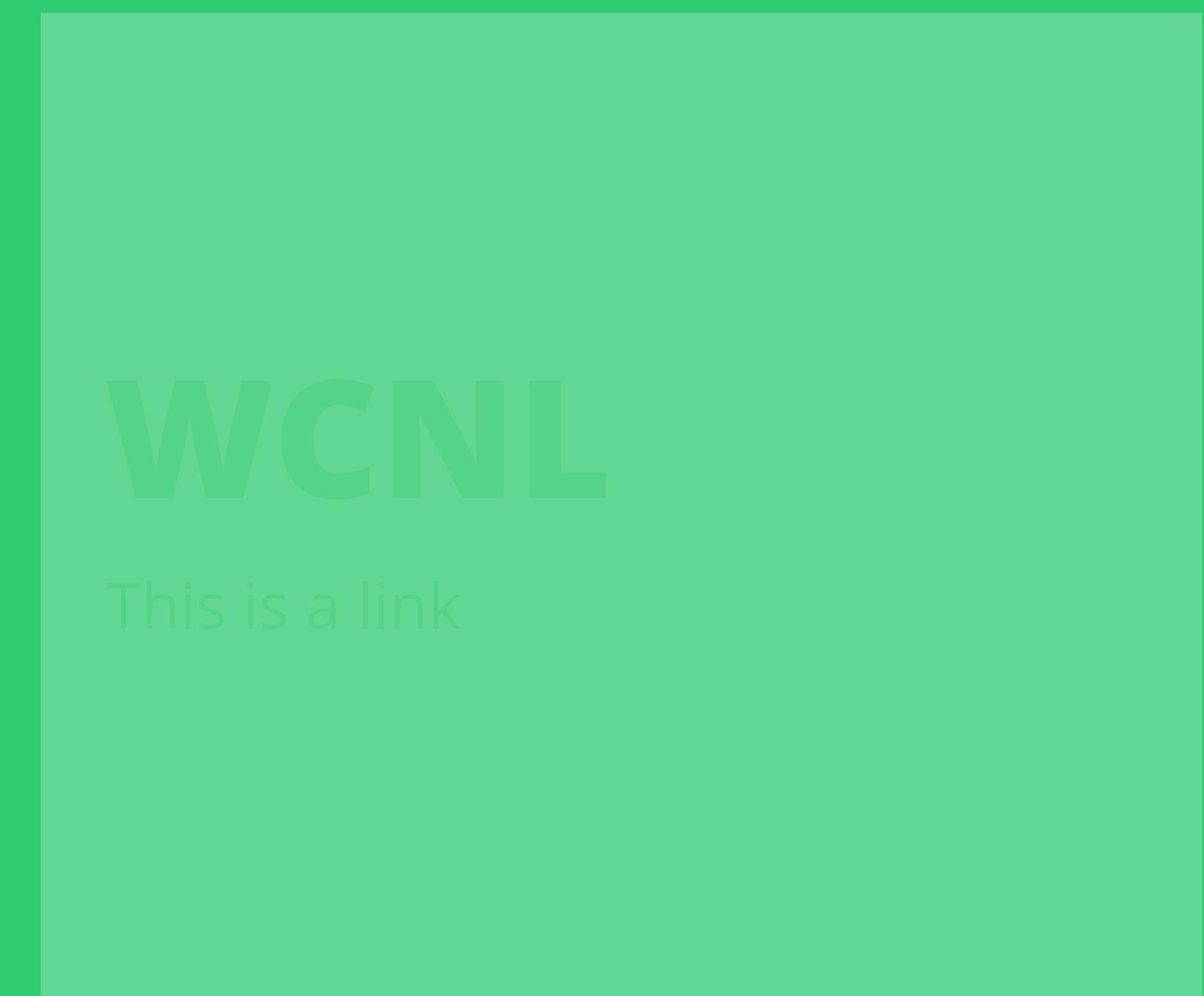
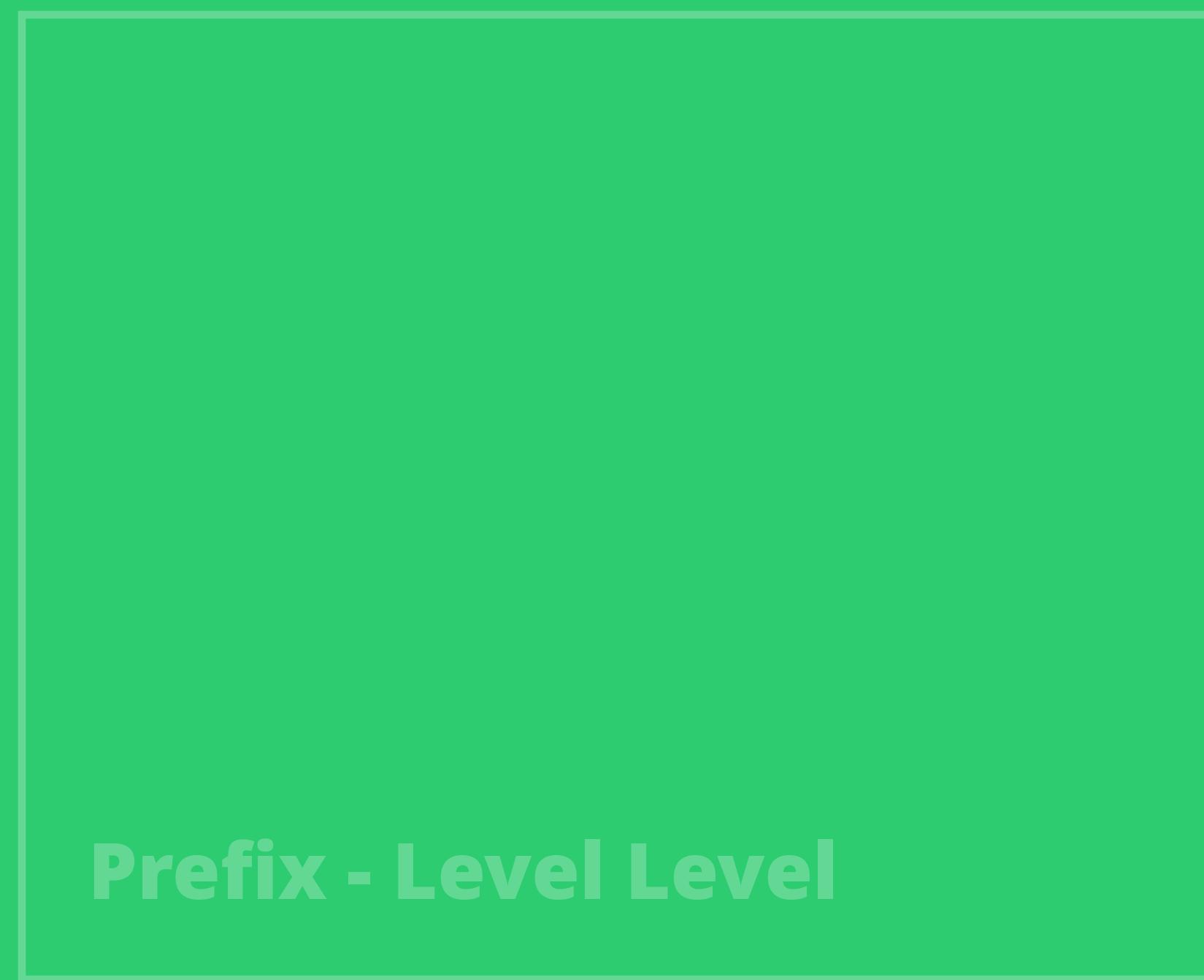
<div class="grid-cell grid-cell-1x1 grid-cell-post">
<div class="grid-cell grid-cell-1x1 grid-cell-post">
<div class="grid-cell grid-cell-1x2 grid-cell-partner-post">
<div class="grid-cell grid-cell-2x1 grid-cell-internal-ad">
```

How to work with **CUSTOM POST TYPES**





Autotaalglas live!



Jaime's talk on WCNL 2016



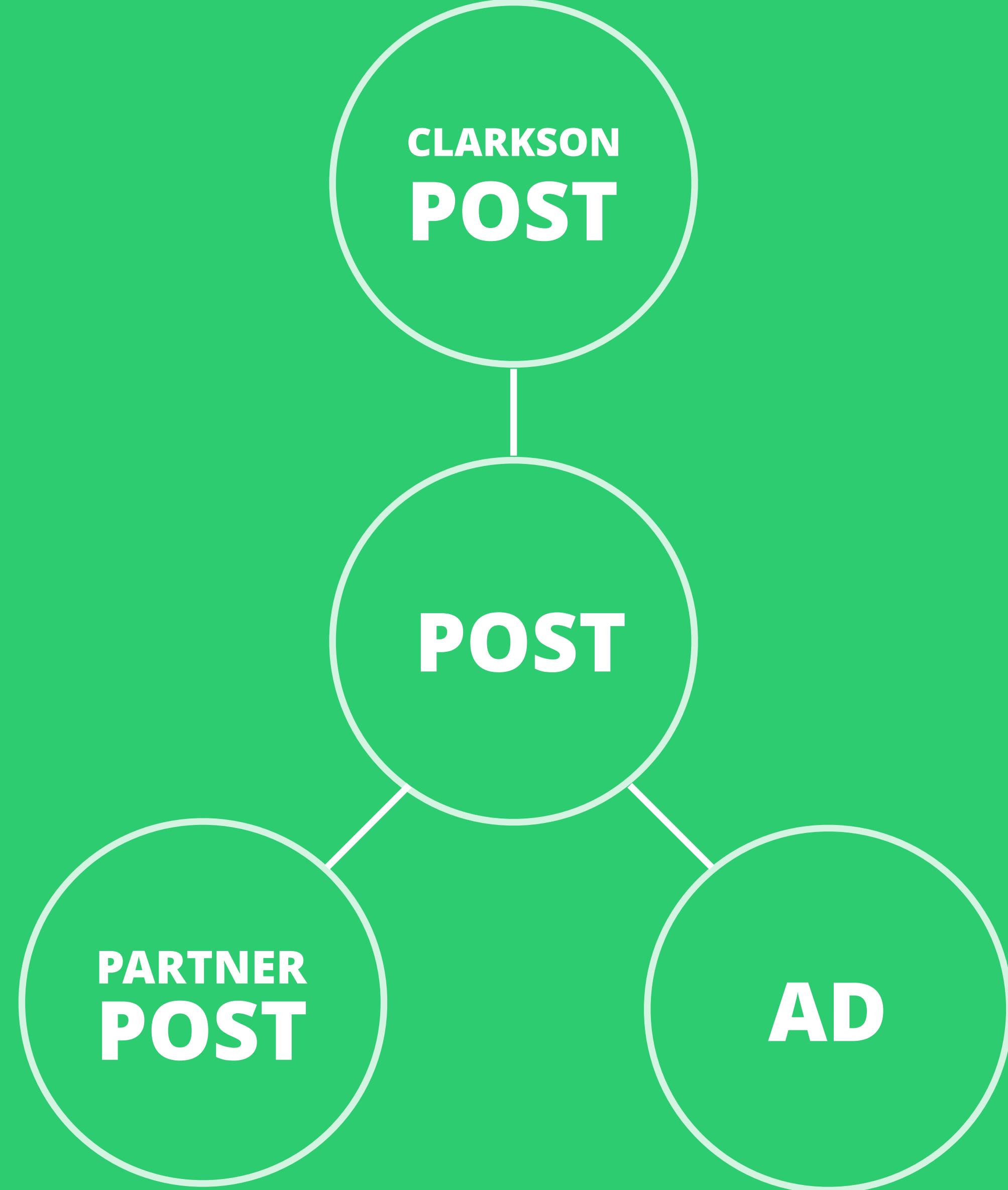
PARTNER POST

Prefix - Level Level

WCNL AD

This is a link





**CLARKSON
POST**

POST

**PARTNER
POST**

AD

themes/wcnl2016/wordpress-objects/post.php

```
class post extends Clarkson_Post {  
  
    public function get_grid_size(){  
  
        return get_post_meta( $this->get_id(), 'll-grid-size' );  
  
    }  
}
```

themes/wcnl2016/wordpress-objects/ll-partner-post.php

```
class ll_partner_post extends post {  
  
    public function get_title() {  
  
        $title = parent::get_title();  
        $title = "Prefix - " . $title;  
  
        return $title;  
    }  
}
```

*How do I get my
POST DATA?*

PHP

```
<?php  
  
$post = new Post( $post );  
  
echo $post->get_grid_size();
```

Twig

```
<div class="grid-cell grid-cell-{{ object.get_grid_size() }}">  
    <a href="{{ object.get_permalink() }}>  
        {{ object.get_title() | upper }}  
    </a>  
</div>
```

so:



so:

- ✓ *Twig templates (include, extend, embed, overwrite blocks)*



so:

- ✓ *Twig templates (include, extend, embed, overwrite blocks)*
- ✓ *MAGICALLY register variables*



so:

- ✓ *Twig templates (include, extend, embed, overwrite blocks)*
- ✓ *MAGICALLY register variables*
- ✓ *Encourage separation of concern & modularity*



so:

- ✓ *Twig templates (include, extend, embed, overwrite blocks)*
- ✓ *MAGICALLY register variables*
- ✓ *Encourage separation of concern & modularity*
- ✓ *OO WordPress Objects*



ADIOS!

Visit wp—clarkson.com/core by Level Level.

Jaime Martínez

 [@jmslbam](https://twitter.com/jmslbam)

 level-level.com

