



ACCESSIBILITY IS NOT
DISABILITY

WHO AM I



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- Drupal, Laravel, Codeigniter, Symphony

AGENDA

- Accessibility myths and misconceptions.
- Common excuses to ignore accessibility.
- Why accessibility is important to your site.
- How accessibility relate to disability.
- Use of view modes for markup control.

ACCESSIBILITY MYTHS

ACCESSIBILITY = DISABILITY

- Absolutely not!
- Just as an accessible building is not about just having wheel chair access; the web isn't about just the blind and screen readers.

- Impairment aren't always permanent.
 - Might have an accident or illness.
 - We might struggle only at night.
 - As we age visual, auditory, motor and cognitive ability diminish.
- Impairments might be external.
 - Low bandwidth or poor connection.
 - Weather conditions; bright light or rain.
 - Device limitations.

SMALL PERCENTAGE

- Disabled people don't really use the web.
- My target audience isn't disabled people.

CAN YOU AFFORD NOT TOO?

- 14% of New Zealanders have a disability.
- That's over 750 000 people.
- Estimated 650 million world wide.
- How can they benefit from your site if it's inaccessible to them?

ACCESSIBILITY WILL LIMIT THE OVERALL EXPERIENCE

- Accessibility is text only pages.
- Can't use images.
- Must use a large font.
- Accessible sites are boring and ugly.

TEXT ONLY PAGES

- If care is taken in making your page accessible, a text only page is very rarely required.
- W3C doesn't recommend full text page alternatives unless a page cannot be made accessible.
- Google is not too big on duplicate content.

CAN'T USE IMAGES

- You can and should.
- Although blind users can't see images, it would be pointless to disadvantage sighted users by not including graphics at all.
- Graphics can enhance the accessibility of a website for people who have low levels of literacy, the elderly or children.
- Remember to use the alt attribute.

USE A LARGE FONT

- Not necessary at all.
- Use relative or flexible font sizes.
Someone with poor vision can resize the text to suit their needs.

In fact large fonts can make reading more difficult for some users. Some sight conditions leave people with good visual accuracy, but a very small field of vision.

BORING AND UGLY

- Wrong! Accessibility places very few restrictions on site design. Accessible sites make full use of structural HTML elements.
- The use of images and colours actually improve accessibility for many users.

NEED AN EXPERT

- Most accessibility fixes are simple to understand and implement.
- You already know how.
- Good structure is key.
- For instance:
 - Heading for each section.
 - Selection of fonts (dislexia)
 - alt attributes.
 - Good markup.

YEAH, YEAH - WHY
SHOULD I CARE?

SEO

- Many accessibility guidelines are the same as SEO techniques.
- For example:
 - Valid HTML
 - Clear link names.
 - Using text rather than images of text.
 - Providing text equivalents for multimedia.
 - Site map
- This means that incorporating accessibility will at the same time help to improve a websites search engine ranking.

INCREASED USAGE

- Easier to find.
- Easier to access.
- Easier to use.
- Maximise the number of possible visitors.

INCREASED USABILITY

- Accessibility increases usability.
- Improves quality of user experience.
- Increased usability makes users more likely to return to the website, use it more thoroughly and recommend it to others.
- Some accessibility guidelines are similar to the usability ones:
 - Clear and consistent design.
 - Clear and consistent navigation.
 - Dividing blocks of information into logical sections.

ACCESSIBILITY = ACCESSIBLE

- Visual - make it easy to read.
- Auditory - make it easy to hear.
- Motor - make it easy to interact.
- Cognitive - make it easy to understand.

ACCESSIBILITY IS GOOD

- Accessibility helps any physical or mental impairment.
- It advocates equal access.
- It's a positive impact on your company's reputation.
- Creates an image of ethical and socially responsible organisation.
- Makes you a better developer / designer.
- You already benefit from accessibility.

IMPROVED INTEROPERABILITY

- Accessible websites enable content to be presented and interacted with on many different configurations.
- Which increases interoperability and device independence.

STILL NOT
CONVINCED

GOOGLE BOT

- Is a blind.
- Loves good structured.
- Likes alt attribute.
- Fast site.

ACCESSIBILITY VS DISABILITY

ACCESSIBILITY = GOOD
SCREEN READER USABILITY

Not so good

THINGS WE LEARNT

- From a screenreader's perspective the title attribute is a waste of time.
- A screen reader will only read the title attribute immediately if the anchor tag is empty.
- If the anchor tag is not empty it will read the title attribute eventually.

TITLE ATTRIBUTES NOT SO MUCH

```
<a href="#" title="Article name">Read more</a>
```

```
<a href="#" title="Article name">  
  <span>Article name</span>  
  Read more  
</a>
```

THINGS WE LEARNT

- Screen readers struggle with iconography & icon fonts.

ICONOGRAPHY & ICON FONTS

```
<i class="ss-icon ss-gizmo">&#x1F4F9;</i>
```

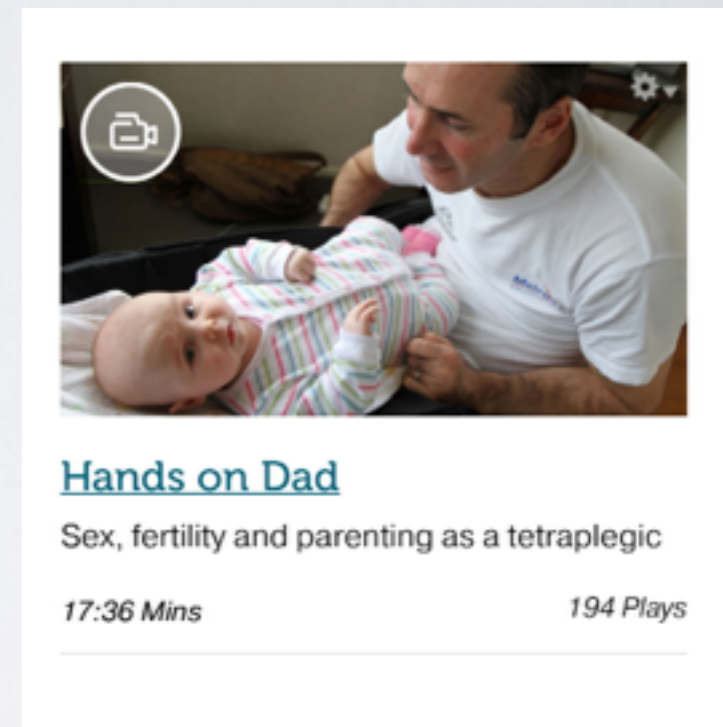
```
<i class="ss-icon ss-gizmo" aria-hidden="true" role="presentation">&#x1F4F9;</i>
```

THINGS WE LEARNT

- The alt attribute might not be your friend.
- Screen readers always announce the alt attribute but it may not be what you are after.

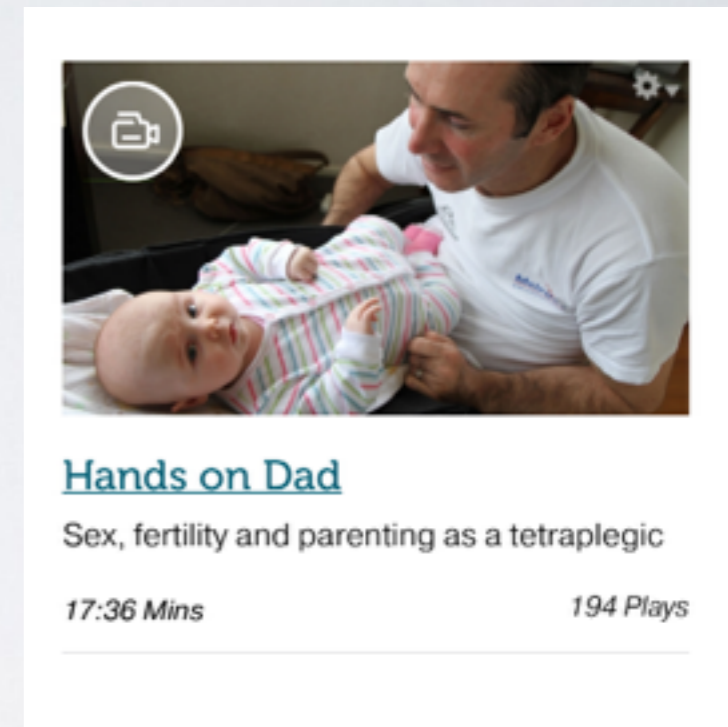
WHAT IS THIS?

```
<li>
  <a href="#" title="video">
    <div class="img-wrapper">
      
      <div class="img-hover" role="presentation"></div>
      <i class="bg-icon" role="presentation"><!--camera-icon--></i>
    </div>
    <span class="doc-title">Hands on Dad</span>
    <div class="info">
      <span class="desc">Sex, fertility and parenting as a tetraplegic</span>
      <span>17:36 Mins</span>
      <span class="last">194 Plays</span>
    </div>
  </a>
</li>
```



AN INAPPROPRIATE ALT ATTRIBUTE

```
<li>
  <a href="#" title="video">
    <div class="img-wrapper">
      
      <div class="img-hover" role="presentation"></div>
      <i class="bg-icon" role="presentation"><!--camera-icon--></i>
    </div>
    <span class="doc-title">Hands on Dad</span>
    <div class="info">
      <span class="desc">Sex, fertility and parenting as a tetraplegic</span>
      <span>17:36 Mins</span>
      <span class="last">194 Plays</span>
    </div>
  </a>
</li>
```



THINGS WE LEARNT

- Having accessible code does not mean a screen reader will get it right.
- It comes down to structure vs accessibility.

VIEWS FIELDS APPROACH

- Takes a long time to build
- Not modular
- Updates across multiple views are time consuming
- Inconsistencies are easily introduced

▼ Page details

Display name: [Page](#)

TITLE

Title: [Active forum topics](#)

FORMAT

Format: [Forum topic list](#) | [Settings](#)

FIELDS Add ▼

- Content: Nid (Nid)
- Content: Body (Teaser)
- Content: Topic icon
- Content: Title (Topic)
- Content: Has new content (Has new content)
- Content: Topic Pager (Topic Pager)
- (author) User: Name (Name)
- Content: Post date (Post date)
- Content: Comment count (Replies)
- Content: New comments (New comments)
- Content statistics: Total views (Views)
- Content: Last comment author (Last comment author)
- Content: Updated/commented date (Last post)
- Content: Sticky (Sticky)
- Content: Comment status (Comment status)
- (term) Taxonomy term: Name (Forum)

FILTER CRITERIA Add ▼

VIEWS FIELDS ARE NO GOOD

```
<li class="views-row">
  <div class="views-field view-field-image">
    <span class="field-content">
      <a href="#"></a>
    </span>
  </div>

  <div class="views-field view-field-title">
    <span class="field-content">
      <h3><a href="#">Hands on Dad</a></h3>
    </span>
  </div>

  <div class="views-field view-field-description">
    <span class="field-content">Sex, fertility and parenting as a tetraplegic</span>
  </div>

  <div class="views-field view-field-duration">
    <span class="field-content">17:36 Mins</span>
  </div>

  <div class="views-field view-field-plays">
    <span class="field-content">194 Plays</span>
  </div>
</li>
```



[Hands on Dad](#)

Sex, fertility and parenting as a tetraplegic

17:36 Mins

194 Plays

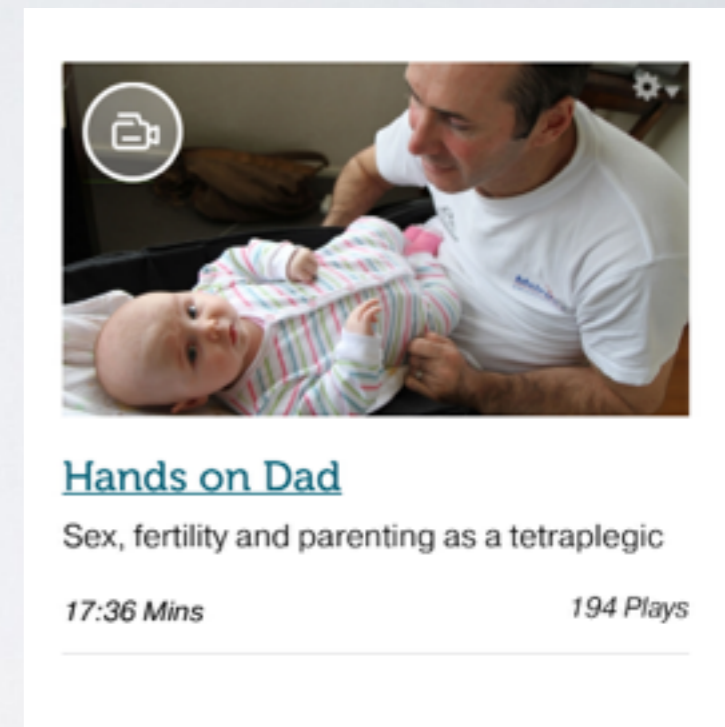
STRUCTURE IS KEY

```
<li class="views-row">
  <a href="#" title="video">

    <div class="img-wrapper">
      <!-- always video thumbnail if it's linking to a video -->
      
      <div class="img-hover" role="presentation"></div>
      <i class="bg-icon" role="presentation"></i>
    </div>

    <span class="doc-title">Hands on Dad</span>

    <div class="info">
      <span class="desc">Sex, fertility and parenting as a tetraplegic</span>
      <span>17:36 Mins</span>
      <span class="last">194 Plays</span>
    </div>
  </a>
</li>
```

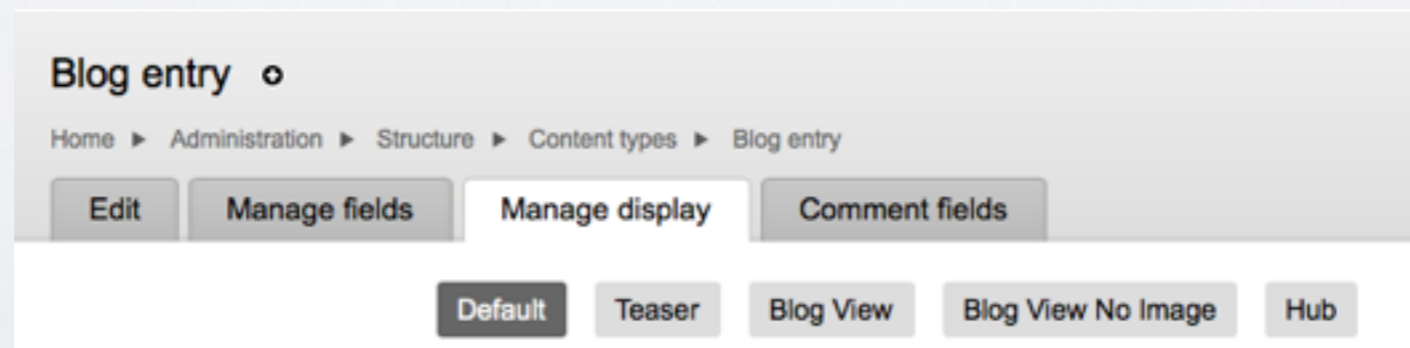


USE VIEW MODES

CREATING A VIEW MODE

(Programmatically)

```
/**  
 * Implements hook_entity_info_alter().  
 */  
function hook_entity_info_alter(&$entity_info) {  
  $entity_info['node']['view modes']['hub'] = array(  
    'label' => t('Hub'),  
    'custom settings' => TRUE,  
  );  
}
```



ASSIGN VIEW MODE

▼ **Block details**

Display name: [Block](#)

TITLE

Title: [Recent Blog Posts](#)

FORMAT

Format: [Unformatted list](#) | [Settings](#)

Show: [Content](#) | [Teaser](#)

FIELDS

The selected style or row format does not utilize fields.

FILTER CRITERIA Add ▼

[Content: Published \(Yes\)](#)

[Content: Type \(= Blog entry\)](#)

SORT CRITERIA Add ▼

[Content: Post date \(desc\)](#)

Block: Row style options

For ▼

View mode

▼

Display links

Display comments

DISPLAY SUITE MAGIC

- Create view modes via UI
- Predefined layouts
- Custom wrappers
- Inject classes
- Custom fields
- Advance field templates
- Integrates with views
- Integrates with panels

DS CREATING VIEW

Display Suite ◦

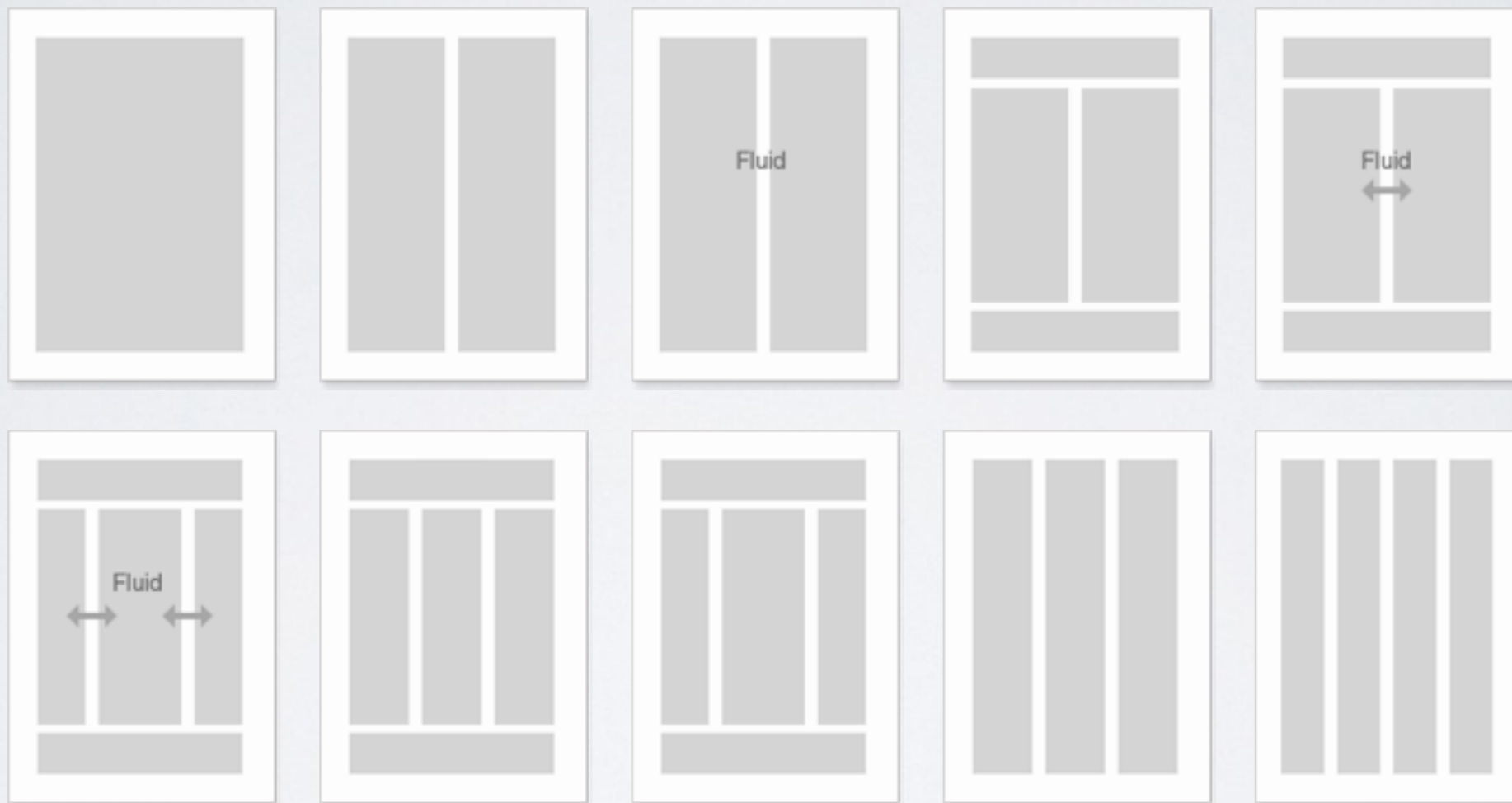
Home ▶ Administration ▶ Structure ▶ Display Suite

Displays View modes Fields CSS classes Views displays

[+ Add a view mode](#)

Label	Machine name	Entities	Operations
Blog View	blog_view	Node	Edit
Blog View No Image	blog_view_no_image	Node, Taxonomy Term	Edit
Contributor Teaser	contributor_teaser	User	Edit
Featured	featured	Node	Edit

DS PREDEFINED LAYOUTS



DS CODE FIELD

Label *
Organisation Sidebar Machine name: organisation_sidebar
The human-readable label of the field.

Entities *
 Comment
 Node
 Taxonomy term
 User
 Ds views
 Rules config
Select the entities for which this field will be made available.

Limit field
organisation]*
Limit this field on field UI per bundles and/or view modes. The values are in the form of {bundle}|{view_mode}. You may use * to select all. Enter one value per line.

Field code *

```
<div class="sidebar-plugin no-border sidebar-sponsor">
  <a href="[node:url:relative]"></a>
  <div class="wrap">
    <h3>Thanks to our Sponsor</h3>
    [node:field-intro-text]
    <a href="[node:url:relative]" class="still-arrow-button">Find out more< class="ss-icon ss-gizmo">&#x25BB;</a>
  </div>
</div>
```

Text format Display Suite code [More information about text formats](#)
• You may post Display Suite code. You should include <?php ?> tags when using PHP. The \$entity object is available.

Token
Toggle this checkbox if you are using tokens in this field.

• Tokens

DS ADVANCED FIELD TEMPLATES

Documentary Tags & Disability Field template: Drupal default

Comments Title

Choose a Field Template

Label	Element	Classes	Attributes
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<small>E.g. div, span, h2 etc.</small>		<small>E.g. field-name-comment@is-title="anchor"</small>	
<input type="checkbox"/> Hide label colon	<input type="checkbox"/> Add default attributes		
<input type="checkbox"/> Outer wrapper	Element	Classes	Attributes
	<input type="text"/>	<input type="text"/>	<input type="text"/>
<small>E.g. div, span, h2 etc.</small>		<small>E.g. field-name-comment@is-title="anchor"</small>	
<input type="checkbox"/> Add default attributes	<input type="checkbox"/> Add default classes		
<input type="checkbox"/> Field items	Element	Classes	Attributes
	<input type="text"/>	<input type="text"/>	<input type="text"/>
<small>E.g. div, span, h2 etc.</small>		<small>E.g. field-name-comment@is-title="anchor"</small>	
<input type="checkbox"/> Add default attributes			
<input type="checkbox"/> Field item	Element	Classes	Attributes
	<input type="text"/>	<input type="text"/>	<input type="text"/>
<small>E.g. div, span, h2 etc.</small>		<small>E.g. field-name-comment@is-title="anchor"</small>	
<input type="checkbox"/> Add odd/even classes	<input type="checkbox"/> Add default attributes		

FINAL THOUGHTS

- Use a screen reader yourself.
- Setup a test plan and get in some users to test it.
- Home button
- Search
- Mobile navigation is not a given.
- Take their feedback seriously.

QUESTIONS