



ATLOGYS

HTML5 INTRODUCTION PROGRAMME

RAMANI VINOTH

SENIOR WEB DEVELOPER



Things you expect to know !!!

- ➔ New Features that can be used today
- ➔ Best Practices of HTML5 Development
- ➔ New aspects of CSS3
- ➔ Mobile friendly Website



What is HTML5 ?



Here is the Future!!!

Here is the Browser!!!

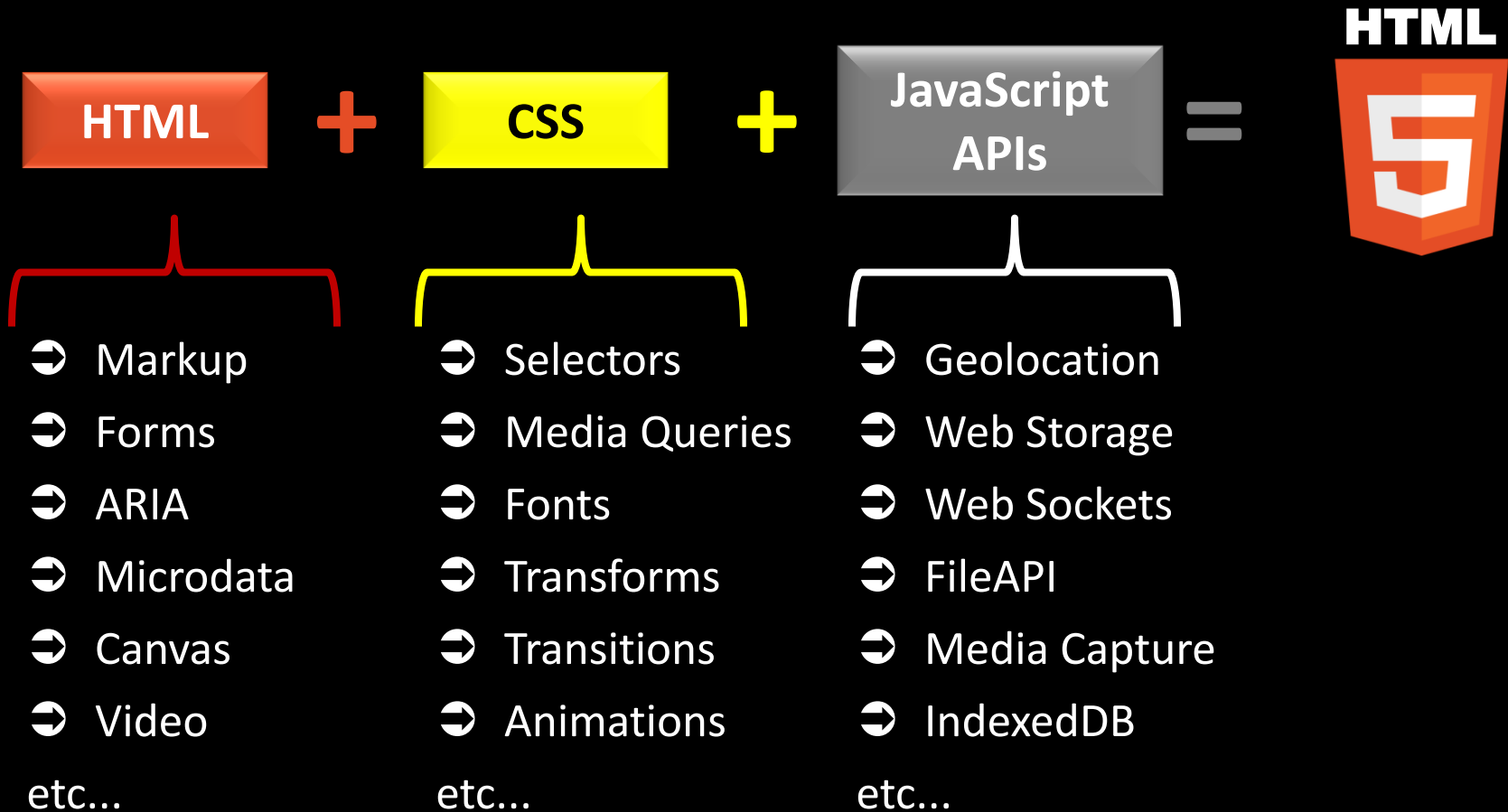
Where the web is going ?

Everything new and interesting on web ?

Just some new markups ?



How HTML5?





Technology Areas of HTML5

Performance



Semantics



Styling



Multimedia



3D Effects



Offline & Storage



Connectivity








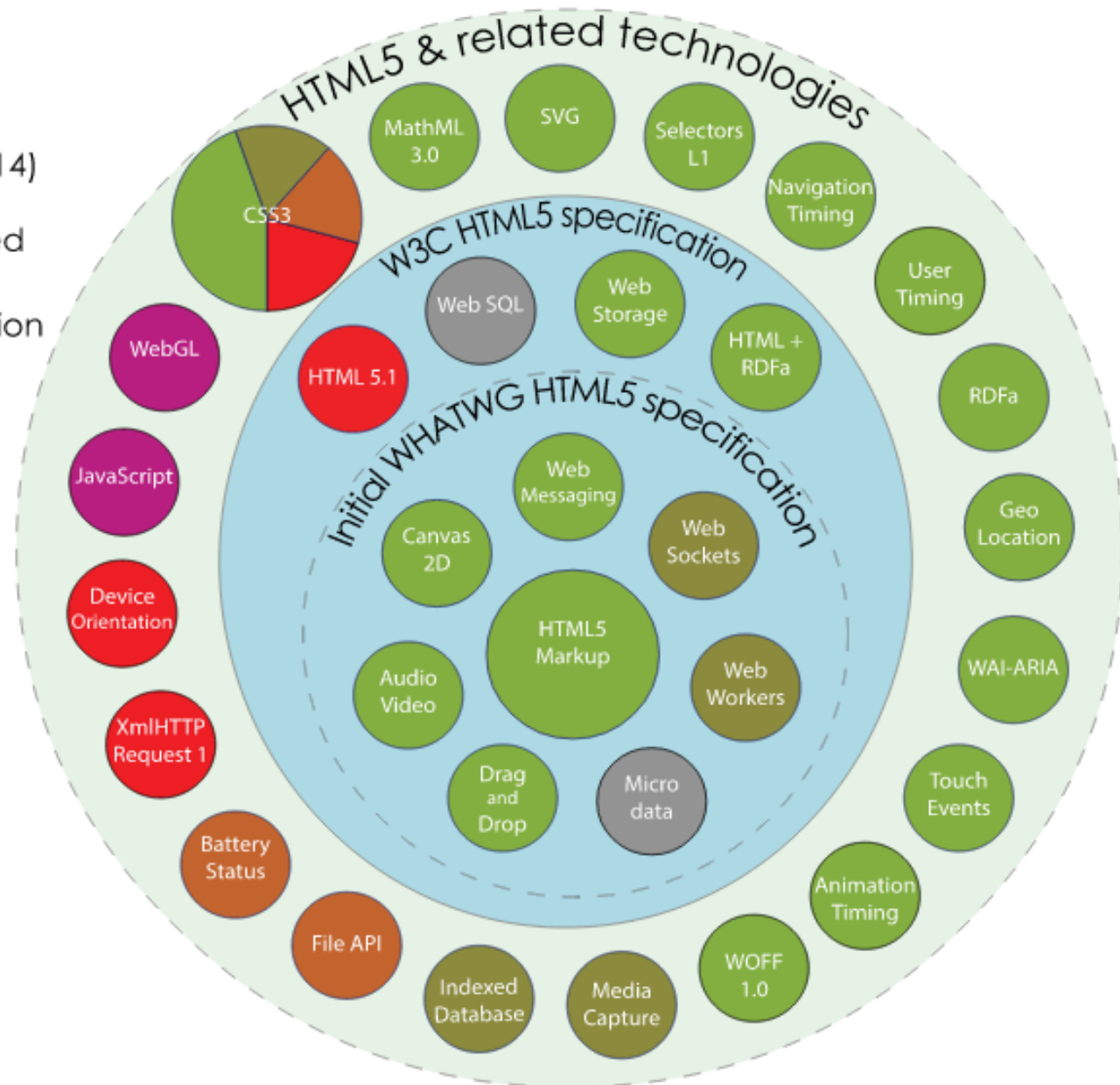
Device Access



HTML5

Taxonomy & Status (October 2014)

-  Recommendation/Proposed
-  Candidate Recommendation
-  Last Call
-  Working Draft
-  Non-W3C Specifications
-  Deprecated or inactive





New Elements

Article

Aside

Audio

Canvas

Command

Datalist

Embed

Figcaption

Figure

Footer

Header

Hgroup

Keygen

Mark

Meter

Output

Progress

rp

Rt

Ruby

Section

Source

Summary

Time

wbr



5 HTML5 Features Every Developer Should Know

- ➔ Audio & Video Elements
- ➔ Canvas Elements
- ➔ New Input types
- ➔ Form Features
- ➔ Custom Data Attributes





SHALL WE HAVE A BREAK?





Layouts and Animations

☞ Layouts

➔ Legacy Layout

- Positioning
- Display
- Float
- z-index

☞ Flexbox Layout

➔ Horizontal and vertical

- ➔ Packing
- ➔ Alignment
- ➔ Flex
- ➔ wrapping

☞ Grid Layout

➔ Power of tables but implemented in CSS

- ➔ Absolute rows and columns
- ➔ Fractional rows and columns
- ➔ Spanning
- ➔ Alignments



Layouts and Animations (cont'd)

↻ Animations

→ Transforms

- rotate

- skew

- scale

- translate

→ Transitions

→ Animations



Mobile Website

- ➔ Building sites on multi- device web
- ➔ Responsive images



Building sites on multi- device web

➔ Breakpoint

➔ Using Media Queries

```
<link rel="stylesheet" media="(min-width: 500px)" href="min-500px.css">
```

```
<style>
```

```
@media (min-width: 500px) {
```

```
}
```

```
</style>
```

➔ Meta Viewport Tag

```
<meta name="viewport" content="width=device-width, initial-scale=1">
```



Responsive Images

➡ Background image in css

```
.example {  
    background-image: url("phone.png");  
}  
  
@media (min-width: 500px) {  
    body {  
        background-image: url("india.png");  
    }  
    .example {  
        background-image: url("tablet.png");  
    }  
}
```



➔ Media queries for 2x images

```
.logo {  
    background-image: url("logo.png");  
}  
  
@media (min-resolution: 2dppx)  
(-webkit-min-device-pixel-ratio:2) {  
    .logo {  
        background-image: url("logo@2x.png")  
    }  
}
```



➔ Image-set()

```
.example {
```

```
background-image: url('icon1x.png');
```

```
background-image: -webkit-image-set(url("icon1x.png") 1x,  
url("icon2x.png") 2x)
```

➔ srcset

```

```




QUESTIONS?

IF ANY...





THANK YOU