Website Workshop

GSAC, Professional Development Committee

University of Utah

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Setup

- ▶ Run `websetup2` in a terminal
- ▶ Website directory: `public_html` in your home folder
- ▶ the `index.html` or `index.php` file is the first displayed
- ▶ For link from the directory: email Della Rae

Content of a website

- Personal information: Name, position, advisor, mathematical interest,...
- Conferences/Travel, also upcoming ones
- Talks: (Student) Seminar Talks, GSAC colloquium talks, Conference talks,..
- Outreach/Service: GSAC or AWM positions, Organization of a students seminar,...
- Teaching: Classes taught with a short description of the responsibilities

Pointers for a good website

- ▶ Structured content
- ▶ Unobtrusive layout, nothing flashy
- ▶ Readable on different devices: Phones, Tablets, Laptop
- ▶ Works in different browsers

Layout Templates

There are a lot free templates. For example:
`https://html5up.net/`
Template consist of

- some examplary `html` files
- `css` files: the information about the layout (colors, position of elements,...)
- java script files (`js`): interactive website
- pictures used for background,...

HTML structure: frame

```
<html>
<head>
Meta information: Title displayed in the browser's title bar,
css/js files included, keywords and description used by search
engines
</head>
<body>
Content of the website </body>
</html>
```

HTML structure: organization

- `section`: for different sections, e.g. one for personal information, one for teaching,...
- headlines `<h1>`, `<h2>`,...
- text blocks: `<p> ... </p>`
- line break: `<br>`
- links: `<a href="url">link</a>`

HTML structure: lists

- numerated lists:

```
<ol>
<li>item</li>
...
</ol>
```

- itemized lists:

```
<ul>
<li>item</li>
...
</ul>
```

HTML structure: table

```
<table>
<tr>
<th>heading column 1</th>
<th>heading column 2</th>
</tr>
<tr>
<td>content cell 1 in this row</td>
<td>content cell 2 in this row</td>
</tr>
</table>
```

HTML structure: selectors

The style in the css files is defined for:

- tags, e.g. <section>
- id (#example), selected by id="example" in the tag (only used once on one website)
- class (.example), selected by class="example" in the tag (used on a website as often as wanted)

HTML structure: css

Some examples on how to define the style in a css file:

```css
h1 {
   font-size:  2em;
}

section #first {
   background-color:  #cc0000;
}

section p .important {
   font-weight:  bold;
}
```

HTML structure: styles for different scree sizes

The following could/should depend on the screen size:

- font-size
- the order of boxes, e.g. on a big screen they are beside each other on a small after each other

```
@media screen and (max-width:  450px) {
   img {
     width:  90%;
   }
}

@media screen and (min-width:  450px) {
   img {
     width:  45%;
     float:  right;
   }
}
```