

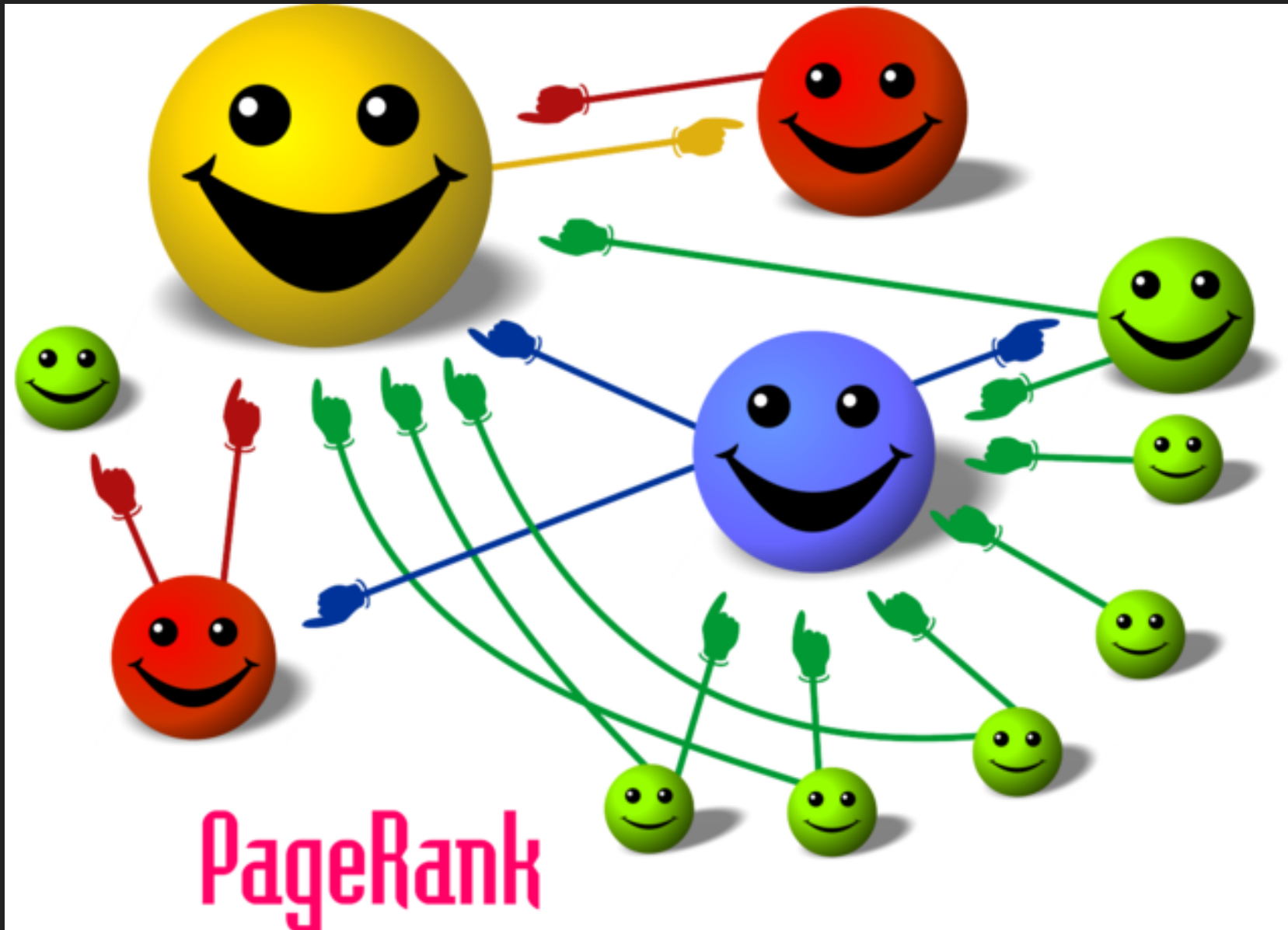
# OIM3690 - Web Technologies



# Hyperlinks

Example: [wikipedia](#)

Do you know how Google ranks search results?



# HTML hyperlinks

- `<a>` - anchor tag
- Syntax

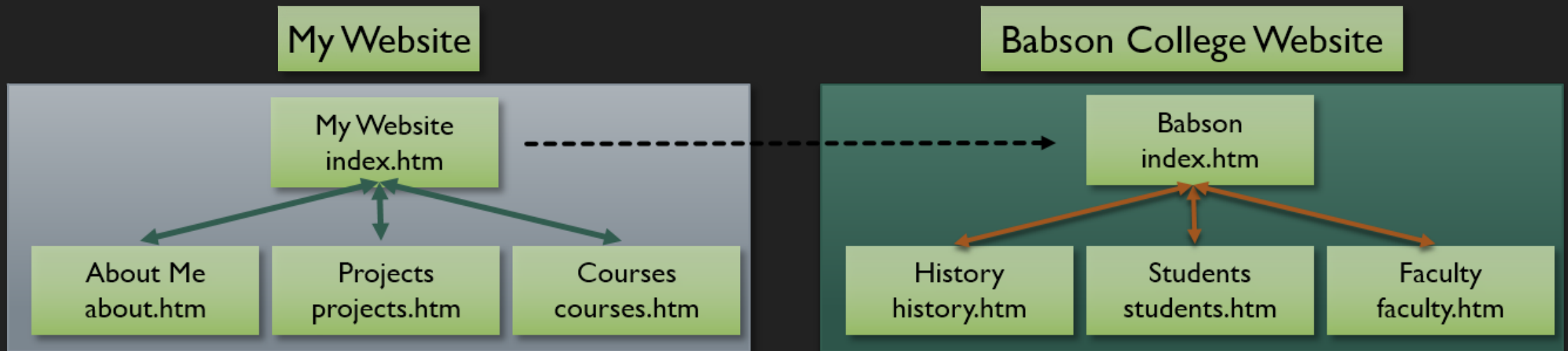
```
<a href="destination">link label</a>
```

- also has attribute-value pair
- "*destination*": a filename or URL
- *link label*: a text that users can see on the page

- Example:

```
...Click <a href="https://www.amazon.com">here</a> to go to Amazon.com...
```

# Are these links different?



# Types of Links

- Internal Link

- A link to another page of the same website
- Example:

```
<a href="about.html">About Me</a>
```

- Notice that the destination is simply a filename

- External Link

- A link to a page of a different website
- Example:

```
<a href="https://www.babson.edu/">Babson College</a>
```

- Notice that the destination is an absolute reference to a URL

# Specifying destination files in internal links

- Typically – all files are in one folder, e.g. *WebTech*

```
<a href="secondpage.html">Second Page</a>
```

- secondpage.html is in the same folder as the HTML file in which it is specified

- If you have a subfolder (say, *folder1*) inside *WebTech*

```
<a href="folder1/secondpage.html">Second Page</a>
```

- If you have the destination file outside *WebTech*

```
<a href="../secondpage.html"> Second Page </a>
```

- **DO NOT** use a full pathname

- Really **BAD**: 

```
<a href="C:/.../WebTech/secondpage.html">Second Page</a>
```



# Exercise: extending *index.html*

- Add **a link** so that the word "Babson" in *index.html* is now a link to Babson's website.
- Add **a link** that links your hobby to a website dedicated to that hobby.
  - e.g., if tennis is your hobby, you can link the word "*tennis*" to <https://www.usta.com>.
- Add **a link** at the bottom (of *index.html*) to a page, *sitemap.html*.
- Create a new HTML file, *sitemap.html*.
  - Change title to "List of Work - <Your Name>" (in *sitemap.html*)
  - Add a link here to *ex01.html* (in *sitemap.html*)
  - Add a link at the bottom to *index.html* (in *sitemap.html*)

# Linking within a Page

- When a page is loaded into the browser window, the window is positioned at the top of the page. You cannot see the bottom part.
- As you scroll down, the window moves down and the top of page disappears.
- Linking within a page helps bring sections of a page into the browser window instantaneously
- **Question:** Can you think of an **example** of linking within a page?

# Implementing Links within a Page

1. Add `<a id="top"></a>` at the top of the page

- or `<h1 id="top">Top of Page</h1>`

2. Make sure the page is long enough

3. You can create a link to this part of the page, from anywhere else in this page by:

```
<a href="#top"> Go to Top of Page </a>
```

4. You can even link to this position from other page.

```
<a href="main.html#top"> Go to Top of Main Page </a>
```

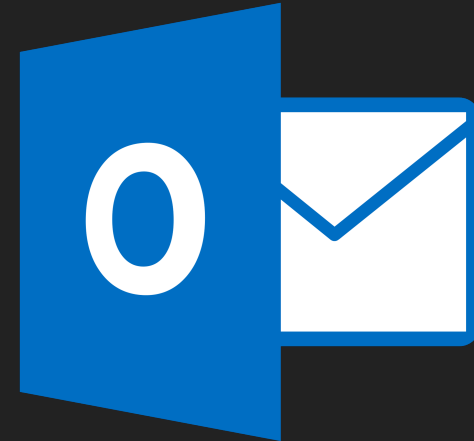
- suppose this `id="top"` is defined in a page called *main.html*

# Email link

- An email link provides a link to an email address.

```
<a href="mailto:zli@babson.edu">Email Me</a>
```

- *destination*: email address
- Clicking on the link
  - loads the computer's email program,
  - opens up a new message window, and
  - inserts the specified email address.



# Opening links in a new tab

- Use the attribute called `target` in your `<a>` tag
- `target="_blank"` will open the link in a new window.
  - this is "underscoreblank" not "spaceblank".
- Example:

```
<a href="https://www.amazon.com" target="_blank">Amazon</a>
```

- **Exercise:** change one link in *index.html* so it will be opened in a new window.

# Questions?

