

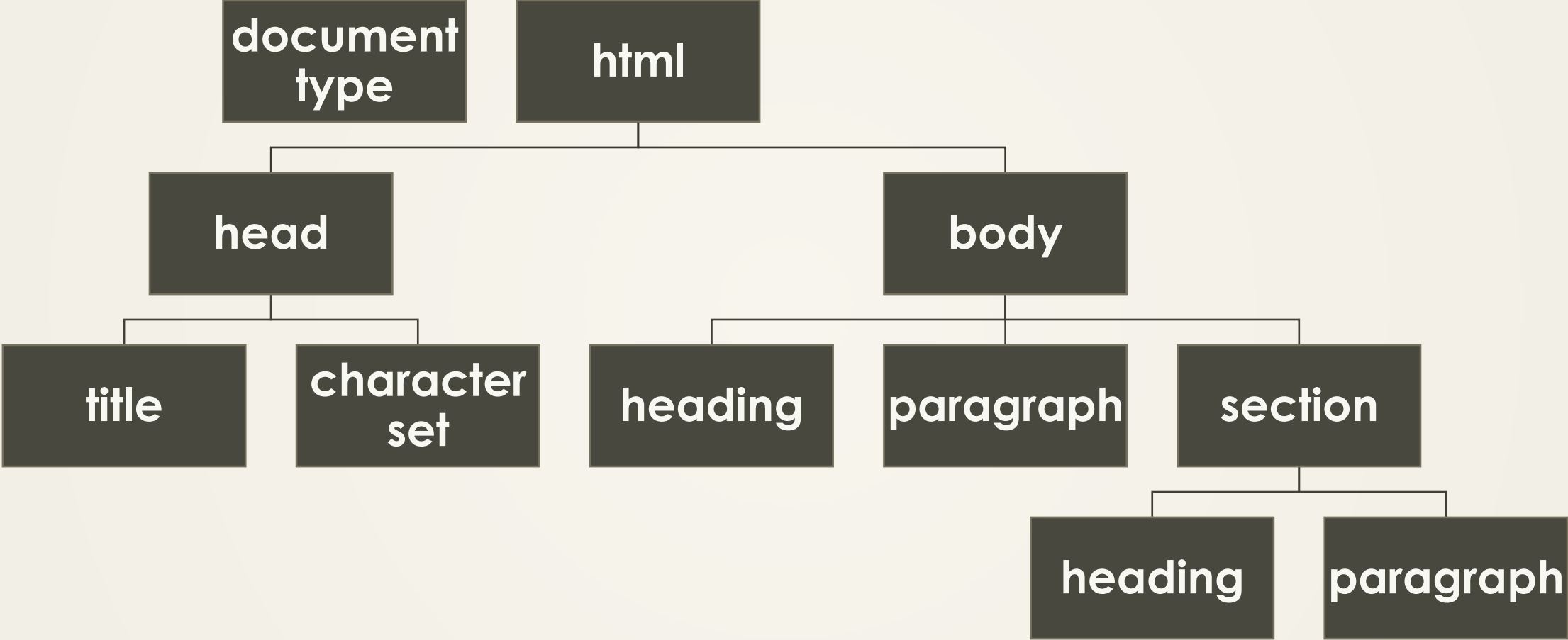
structures

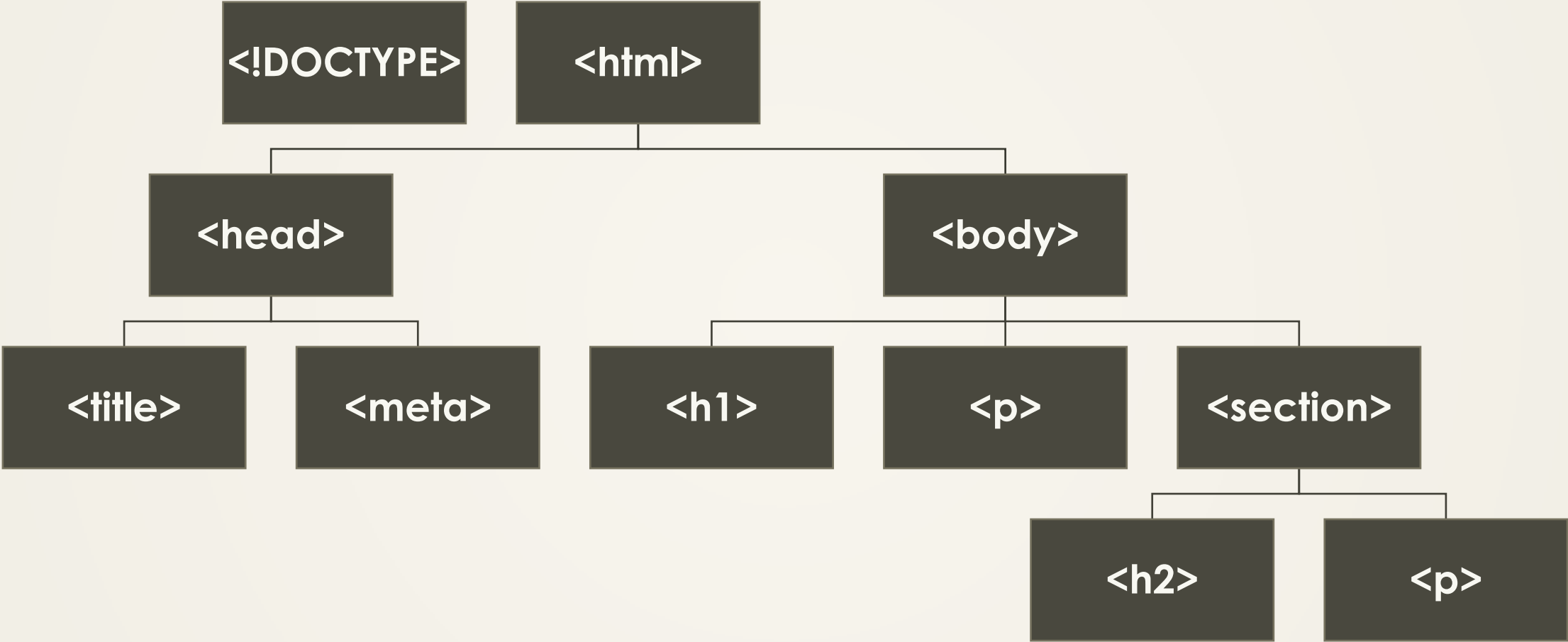
- All HTML documents consist of at least two levels of nesting
- At the top level is an `<html>` element, defining the bounds of the document

- The `<head>` and `<body>` elements are nested within `<html>`
- `<head>` contains meta data – information about a document as a whole, as opposed to content
- `<body>` holds all document content and all content elements, both block and inline

- both the `<html>` and `<body>` elements are always present in an HTML document – if they were not included by the author the browser will add them
- `<html>` and `<body>` display as block elements

The nested structure of HTML can be visualized as a tree





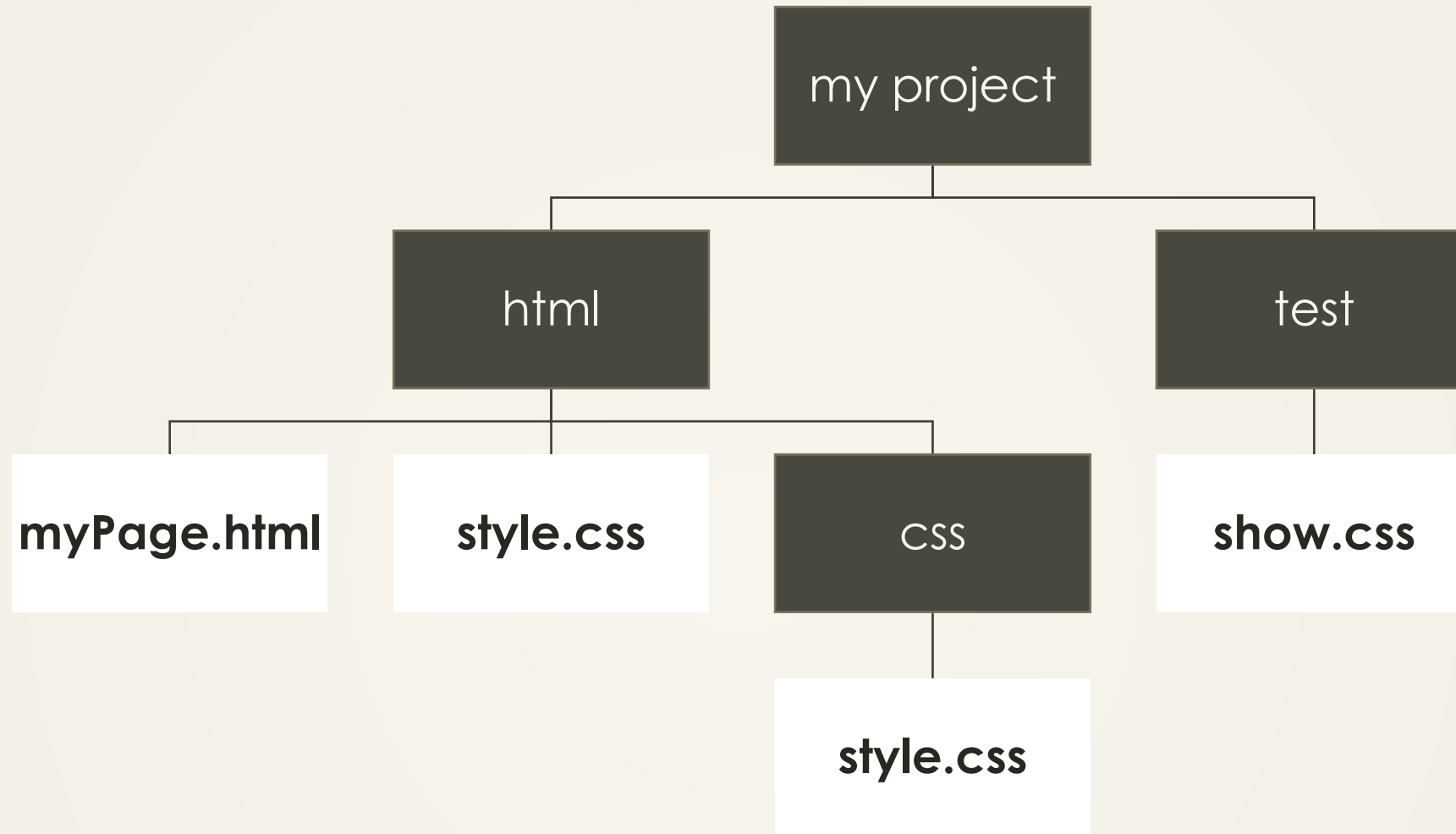
HTML structure visualizer

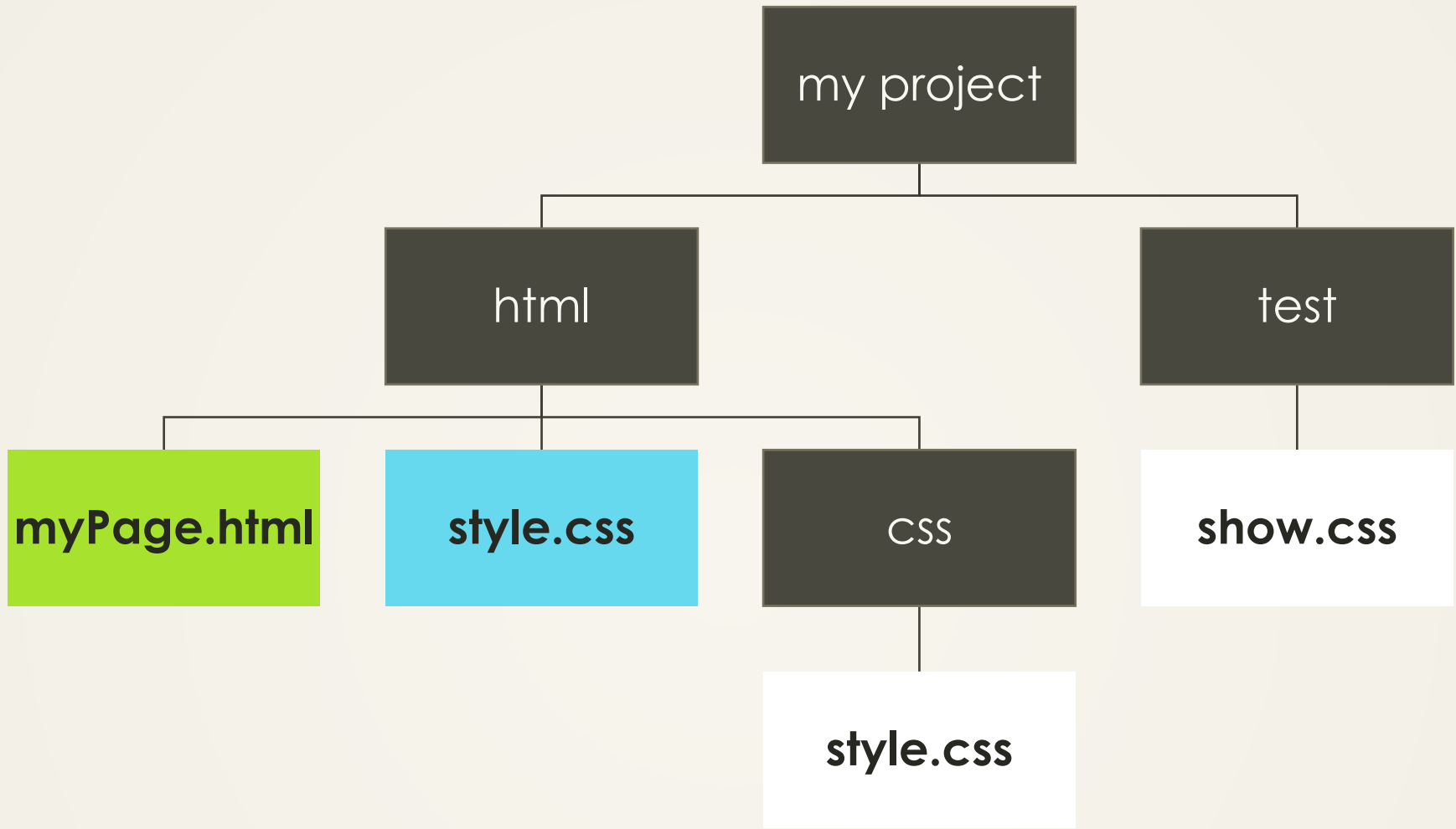
<http://www.aharef.info/static/htmlgraph/>

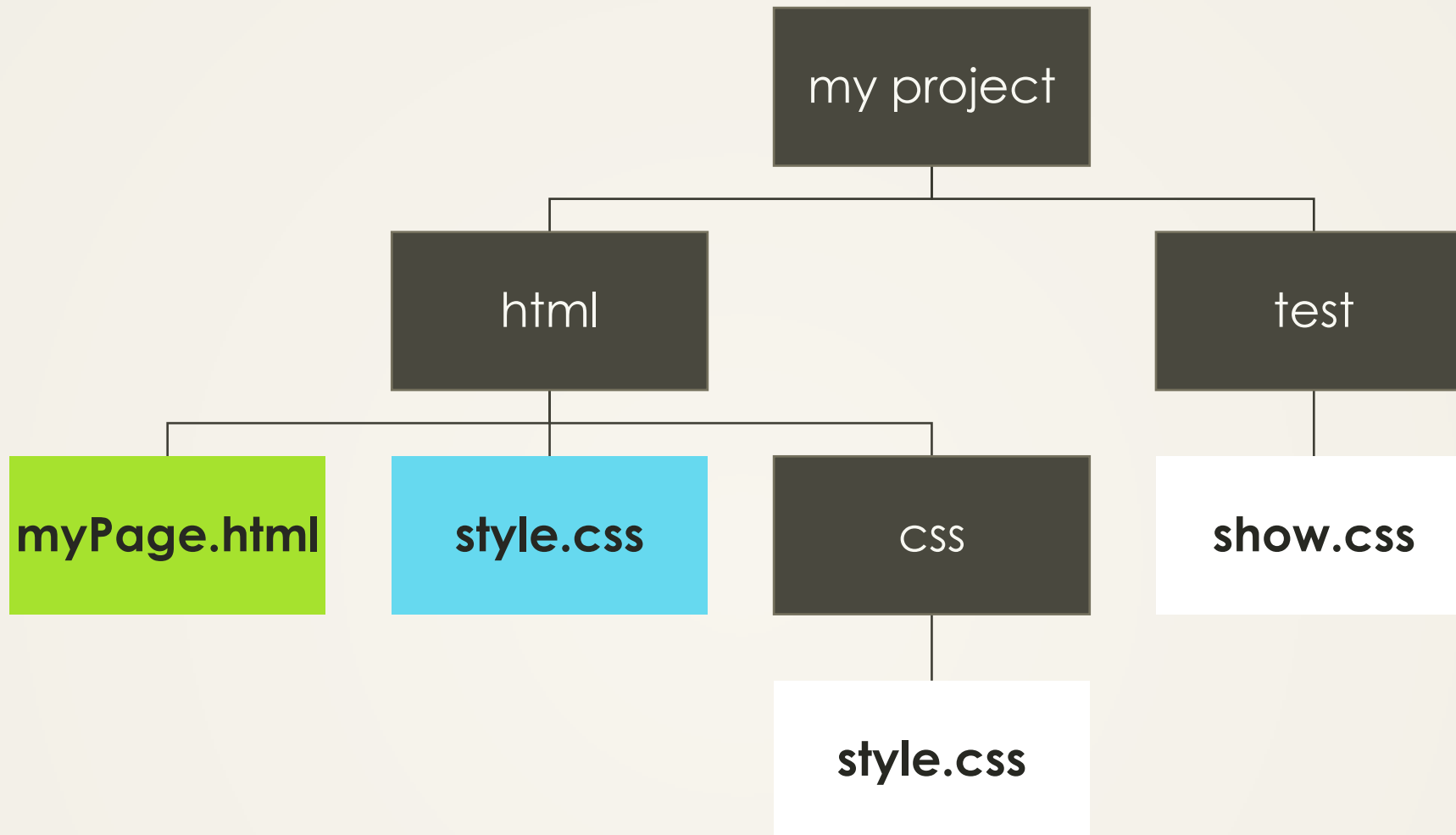
style cascade

- CSS styles “cascade” down the document structure (DOM)
- If two CSS declarations are in conflict – the latter rules wins

file pathing

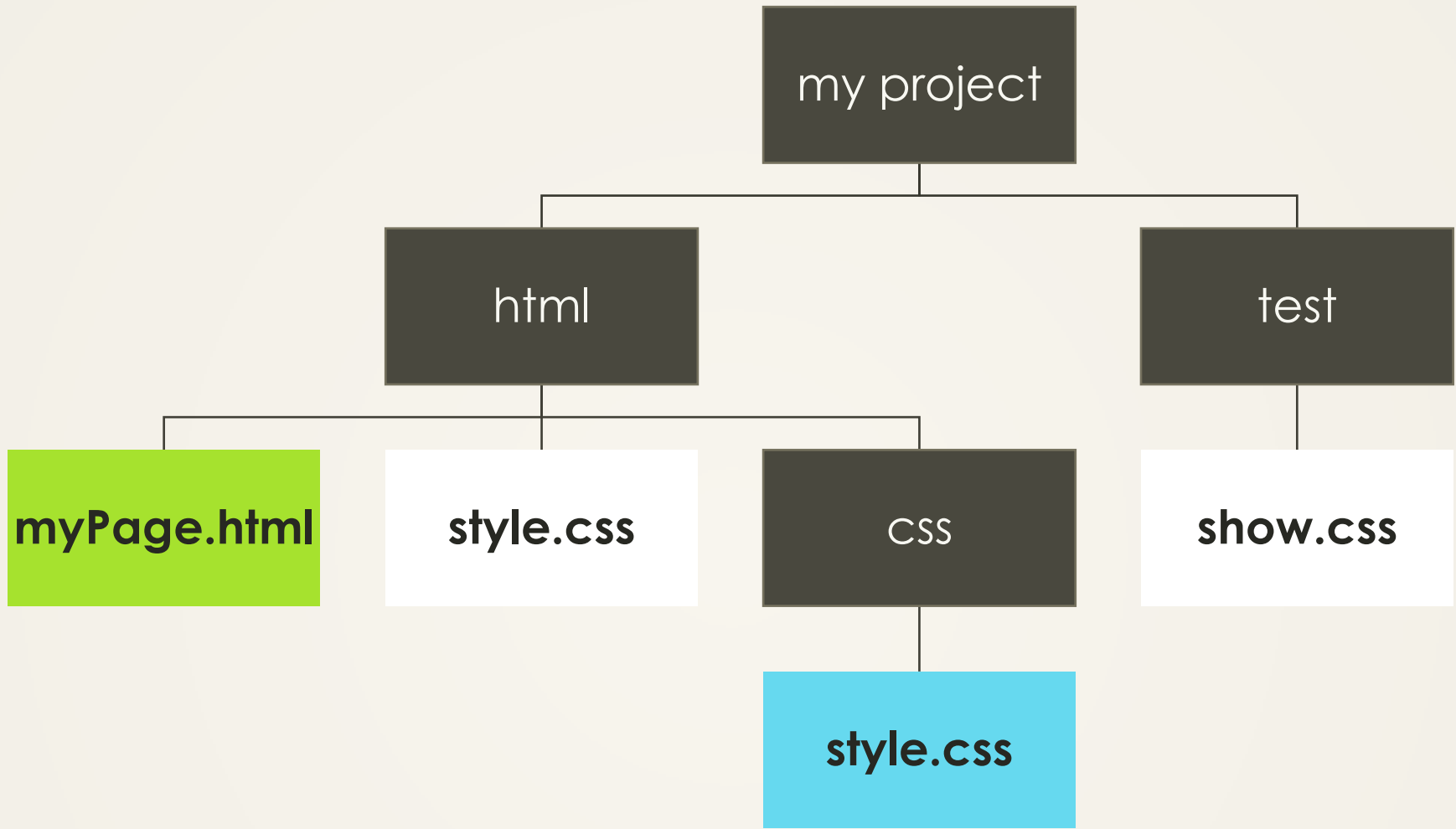


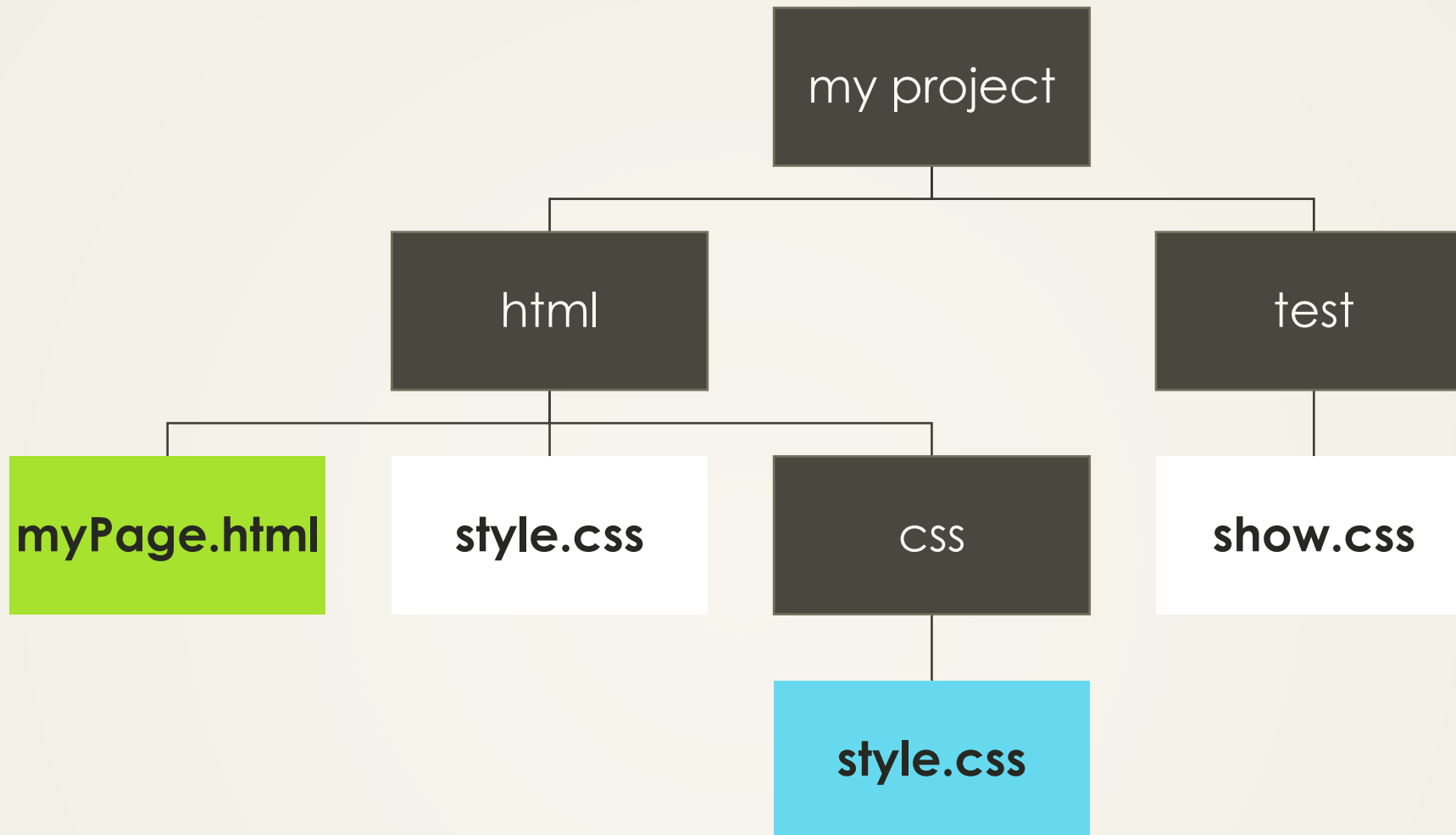




href="style.css"

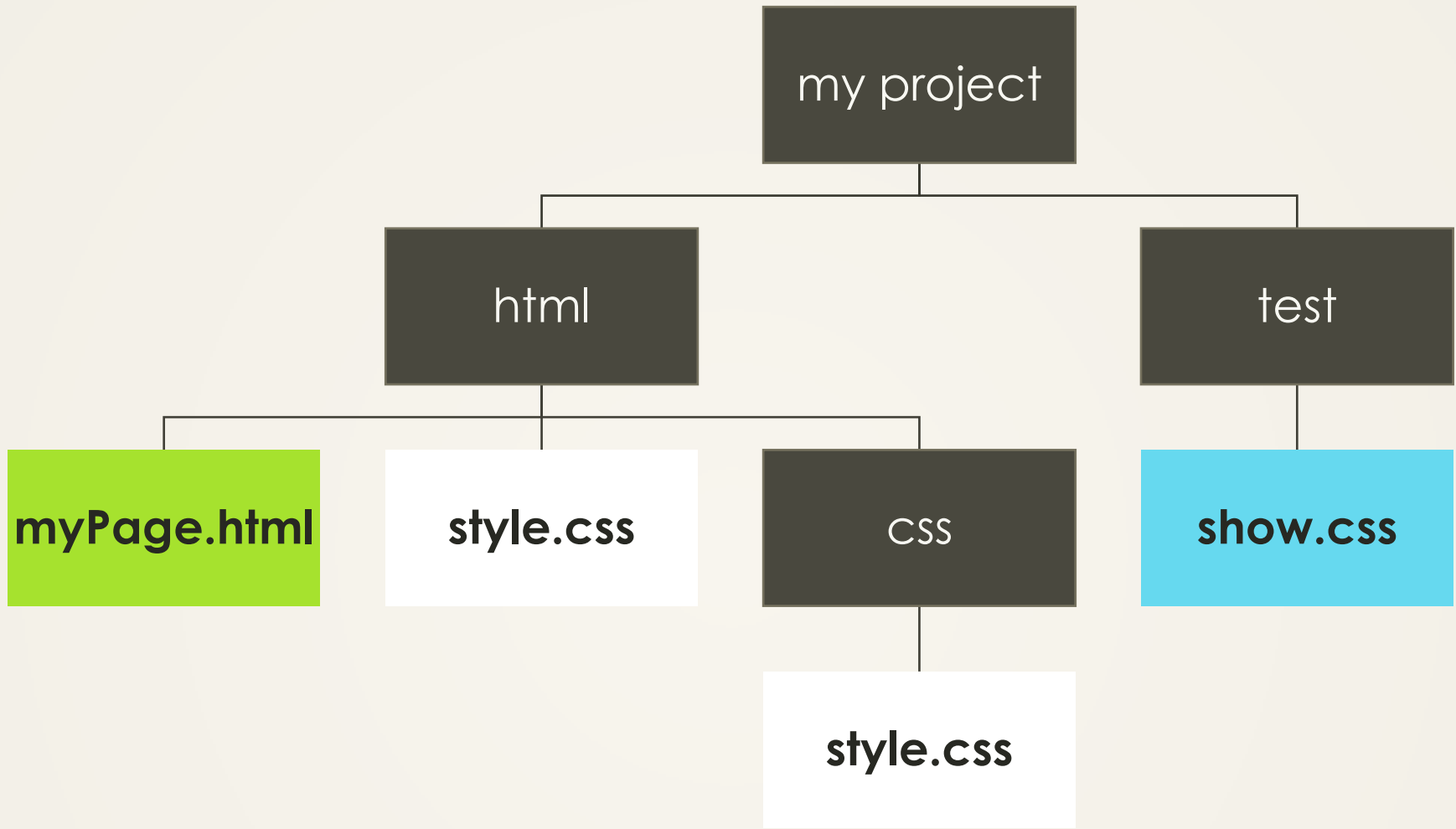
<link rel="stylesheet" type="text/css" href="style.css">

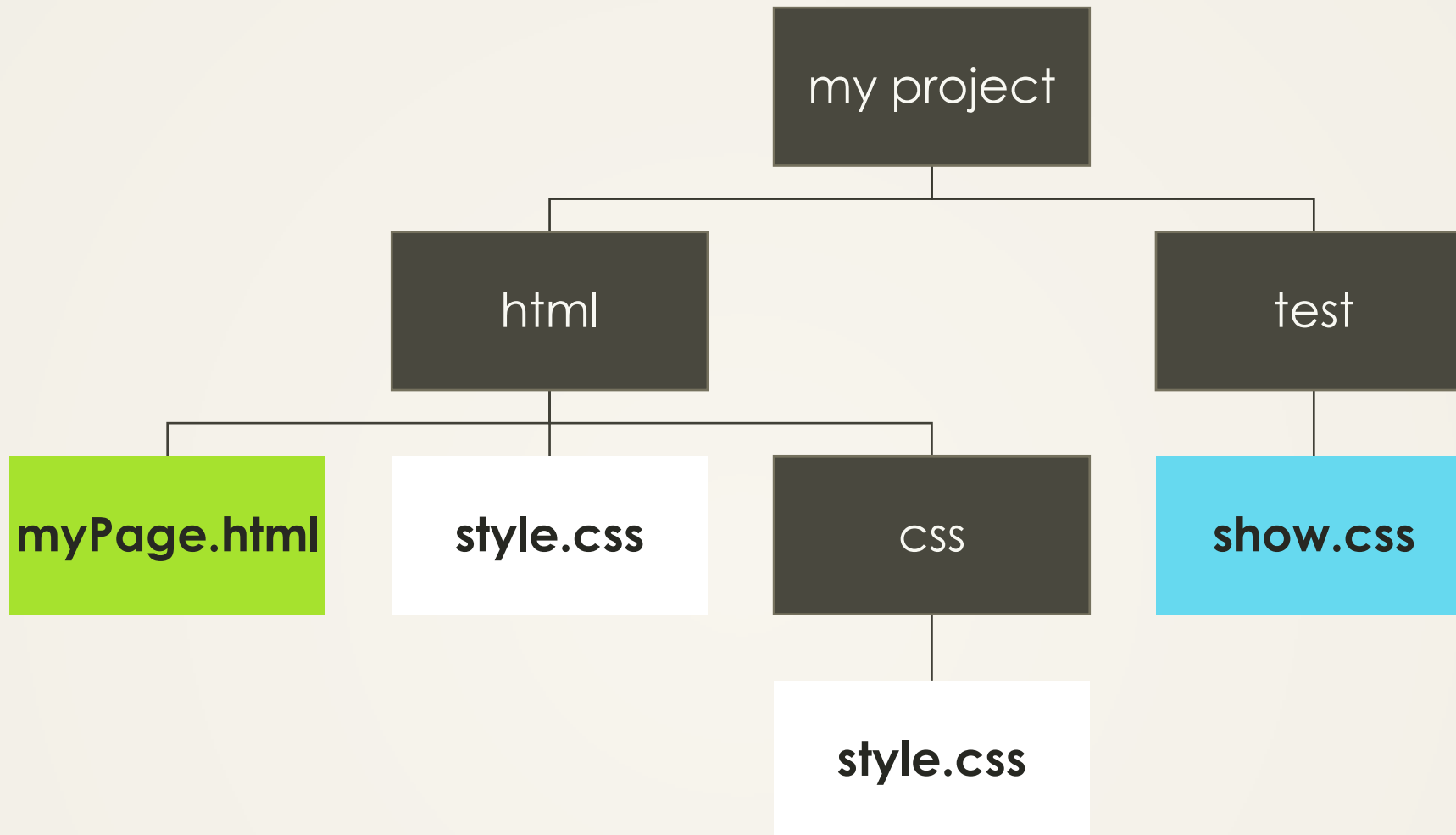




href="css/style.css"

`<link rel="stylesheet" type="text/css" href="css/style.css">`





href=" ../test/show.css"

<link rel="stylesheet" type="text/css" href=" ../test/show.css">

lists and tables

lists

- HTML lists are defined in one of two ways as ordered or unordered lists
- Ordered lists are numbered

- Unordered lists bulleted

- There is otherwise no difference

list Items

- The top level of a list contains no plain text content
- For a list to display content properly list item elements must be nested within

``

nested lists

- For a list to appear nested, a list item element must contain another top-level list element
- The nested list does not have to be of the same type as the parent list

definition lists

- Definition lists are lists which contain terms to be defined – much like the `<dfn>` or `<abbr>` elements

`<dl>`

- Definition items are not the same as list items – instead it must contain **terms** and **descriptions**

`<dt>`, `<dd>`

tables

- Imagine tables in HTML as miniature HTML documents
- In most modern browsers – a table has mandatory `<thead>`, `<tfoot>`, and `<tbody>` elements – but much like the top level HTML document structure, these are inferred, and may be omitted

table structure

- the table element defines the bounds of a table

<table>

- the caption element is the equivalent of a title – though it is not required, and is displayed on the page

<caption>

- the table header, body, and footer elements define sections of a table (unlike html head – the table head is content, not metadata)

<thead>, <tbody>, <tfoot>

table rows, and cells

- To display table content, a section must contain at least one row

`<tr>`

- Each row must contain at least one table cell – either a **heading cell** or **body cell**

`<th>`, `<td>`

- Heading and body cells have different semantic meaning depending on their place in a table