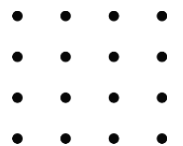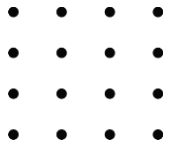# CSE 502: Web Technology

HTML5 Tag: Section

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What is Section Element?

The <section> element is designed to represent a standalone section within a document. It often contains related content with a common theme, making it ideal for dividing up content into logical blocks. Unlike a <div>, which is purely a generic container with no meaning, <section> gives semantic meaning to the content it wraps, signaling to the browser and search engines that the enclosed content is related.

How does Section Tag Work

- **Organizes Content:** Browser understands that each \<section\> represents a distinct part of the page, aiding in both readability and navigation.

- **Applies Default Styling**: \<section\> elements are block-level, so they will appear one below the other, taking up full width.

How does Section Tag Work

- **Accessibility Benefits:** Screen readers recognize these sections as thematic groupings, allowing users to navigate efficiently.

- **SEO Benefits:** Search engines index each <section> individually, allowing content to rank more accurately for relevant searches.

Sample code

```html
<body>
  <h1>About Me</h1>

  <section>
    <h2>Introduction</h2>
    <p>
      Lorem, ipsum dolor sit amet consectetur adipisicing elit. Provident nemo mollitia doloribus eos necessitatibus
      eaque, inventore placeat minus. Quod, explicabo!
    </p>
  </section>

  <section>
    <h2>Skills</h2>
    <p>
      Lorem, ipsum dolor sit amet consectetur adipisicing elit. Consectetur, quaerat eaque natus facilis nulla amet?
    </p>
  </section>

  <section>
    <h2>Hobbies</h2>
    <p>
      Lorem ipsum dolor sit amet, consectetur adipisicing elit. Sed nesciunt architecto cum nulla, minima nisi ea
    </p>
  </section>
</body>
```
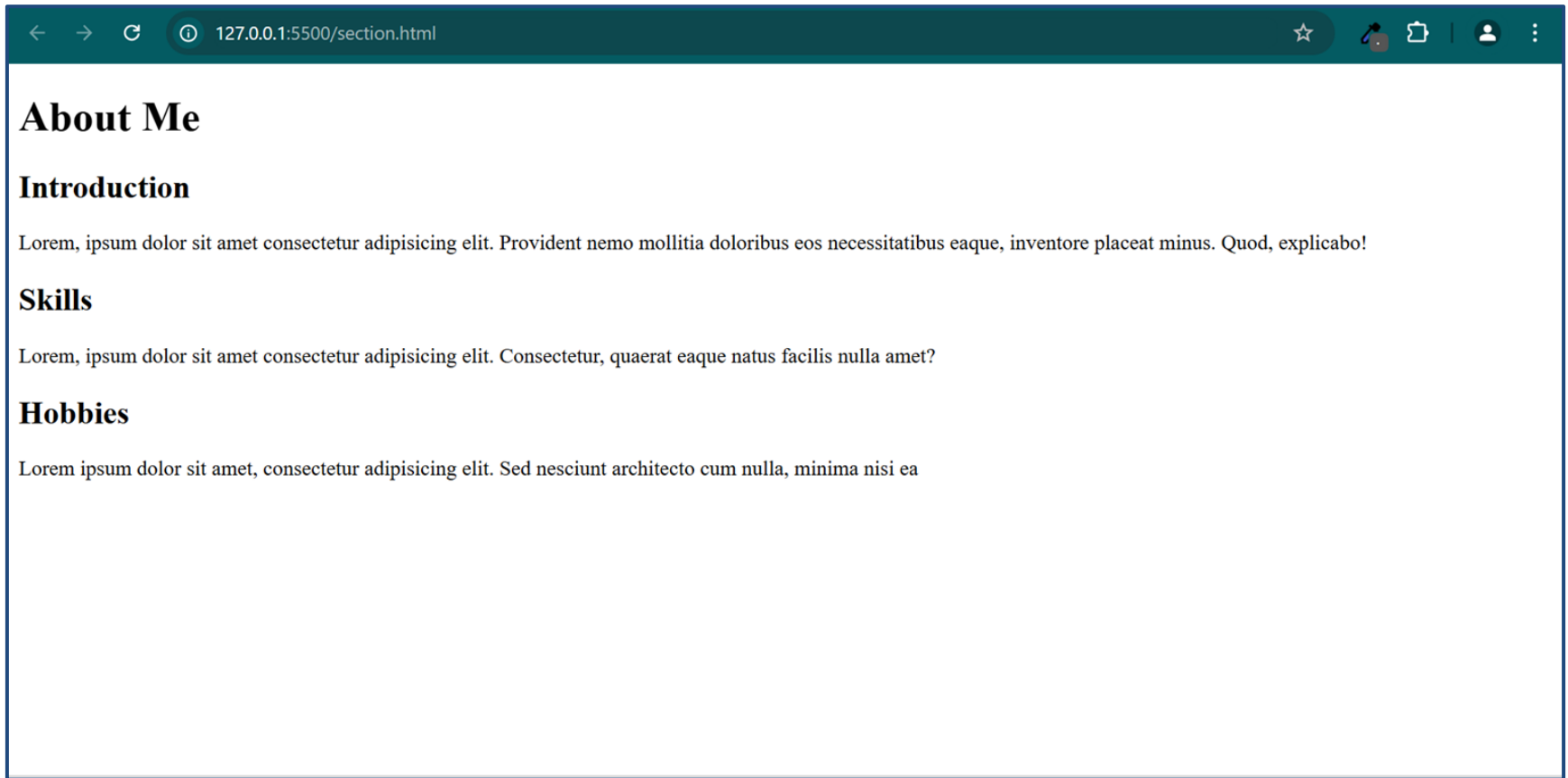
Output

About Me

Introduction

Lorem, ipsum dolor sit amet consectetur adipisicing elit. Provident nemo mollitia doloribus eos necessitatibus eaque, inventore placeat minus. Quod, explicabo!

Skills

Lorem, ipsum dolor sit amet consectetur adipisicing elit. Consectetur, quaerat eaque natus facilis nulla amet?

Hobbies

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Sed nesciunt architecto cum nulla, minima nisi ea

Backward Compatibility

Fallback to Non-Semantic Tags:
If a user views a page with <section> tags in a legacy browser, they will still see the content, but without the semantic benefits that newer browsers provide.

JavaScript Interactions:
In modern browsers this supports. but in older browsers, the tag is ignored but any scripts targeting <section> will not have an effect.

Graceful Degradation
If an older browser encounters the <section> tag, it may ignore it but will still render the content inside, allowing users to access the information.

Styling and Scripting
Styles (CSS) and scripts (JavaScript) can still target <section> elements.

Thank You