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[eFolio tasks for feedback (Week 9 and Week 10) Assignment]

Studio {#6}
Name and Student Id: {Bolin Zheng 33480842}

Self-Evaluation {High Distinction}:

Need Help	Work in Progress	Pass	Credit	Distinction	High Distinction

Task {9.1}:

{Answers: Below are screenshots of demonstration of using Responsive Images. By setting different max width. The picture size is different.

The difference between .woff and .woff2 font

The .woff and .woff2 font formats are used to embed fonts in web documents:

When compared to .woff, .woff2 provides superior compression and a 30% file size reduction. .woff2 fonts are a more bandwidth- and storage-efficient option because they download faster and store more easily.

To provide reduced file sizes and better performance, especially for modern web browsers that support it, Google created this upgrade to the original .woff format.

The main difference between. woff and .woff2 is the compression algorithm used. Compared to .woff, .woff2 uses an improved compression algorithm, resulting in more efficient compression and smaller file sizes.

.woff2 has better performance, but it is not supported by all browsers, especially older ones. On the other hand, .woff has wider browser compatibility.}

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{Screenshots:

About.cshtml

```
1
2       About";
3
4     ="title">
5       iewBag.Title.</h2>
6       age</h3>
7
8       to provide additional information.</p>
9
10    
11      ="(max-width: 800px)" srcset="~/Content/crystal_ball-2.jpg" />
12      ="(max-width: 400px)" srcset="~/Content/crystal_ball-3.jpg" />
13      ="(max-width: 200px)" srcset="~/Contents/crystal_ball-4.jpg" />
14
15      ontent/crystal_ball-4.jpg" alt="Differrent Resolution pics">
16
17
18
19
```

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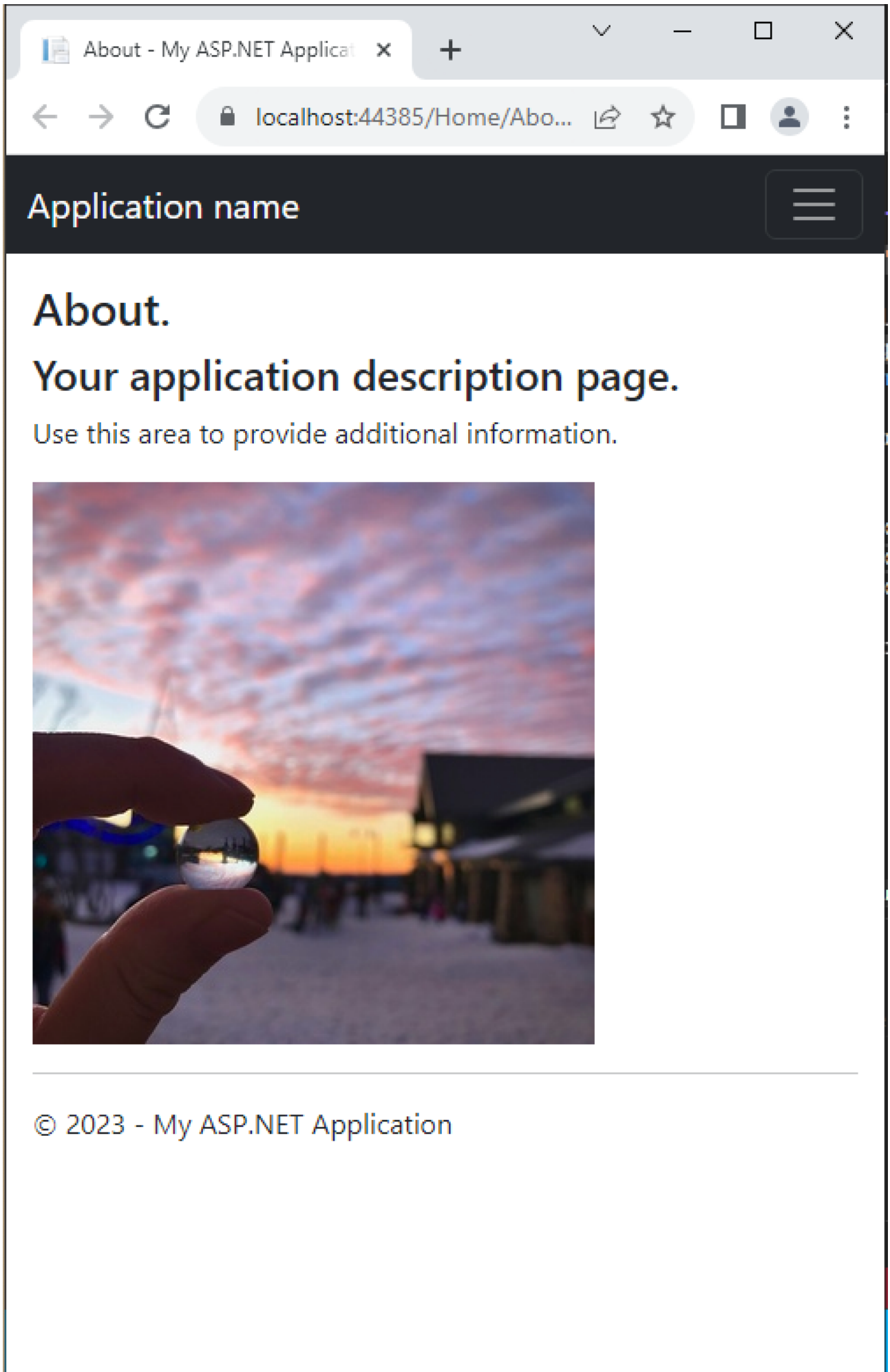

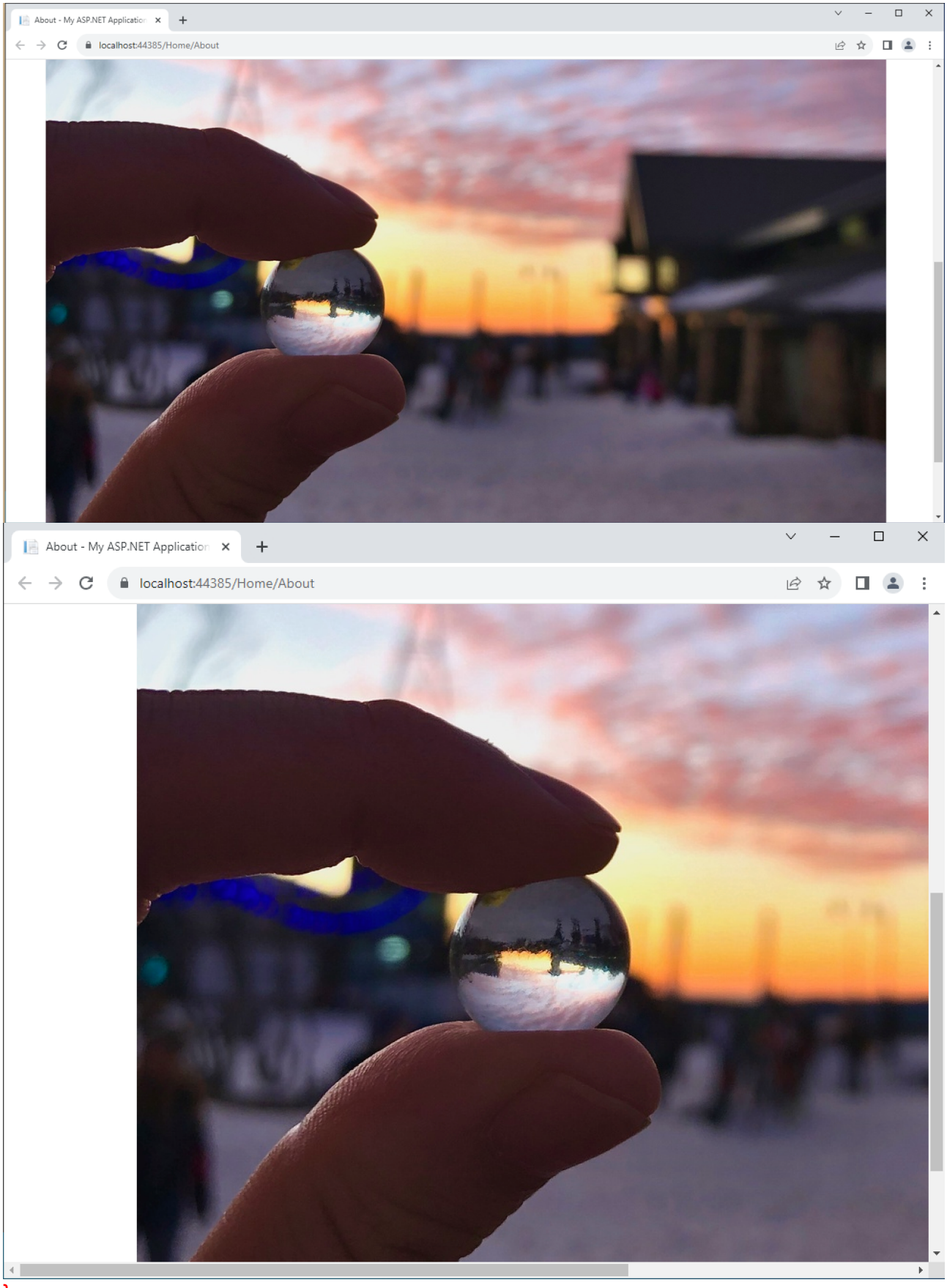

}

{Link to code repository: }

{References: https://www.fonts.com/support/faq/what-is-woff2-and-how-do-i-enable-it#:~:text=WOFF2%20is%20a%20font%20format,advantage%20of%20the%20WOFF2%20format,
https://creativemarket.com/blog/the-missing-guide-to-font-formats,
,
https://developer.mozilla.org/en-US/docs/Web/Guide/WOFF,
https://css-tricks.com/understanding-web-fonts-getting/}

{URLs}

Task {9.2}:

{Answers:

In comparison to the ASP.NET Framework,.NET Core is an open source, cross-platform framework for creating contemporary cloud-based web apps.

.NET Core supports Windows, macOS, and Linux, while ASP.NET Framework only supports Windows.

.NET Core has higher performance and scalability compared to ASP.NET Framework.

.NET Core is open source and supports modern client-side frameworks, while the ASP.NET Framework is a mature, enterprise-oriented framework.

Hot reload, new git tooling, intelligent code editing, and more are among the new capabilities in.NET 6, respectively. NET Core is evolving to current development methods, cross-platform compatibility, and community-driven innovation.}

{Screenshots: }

{Link to code repository: }

{References: https://www.geeksforgeeks.org/differences-between-net-core-and-net-framework/,
https://dotnettutorials.net/lesson/net-core-vs-net-framework/#:~:text=Here%20are%20some%20key%20features,to%20contribute%20to%20its%20development ,
https://learn.microsoft.com/en-us/dotnet/core/whats-new/dotnet-6}

{URLs}

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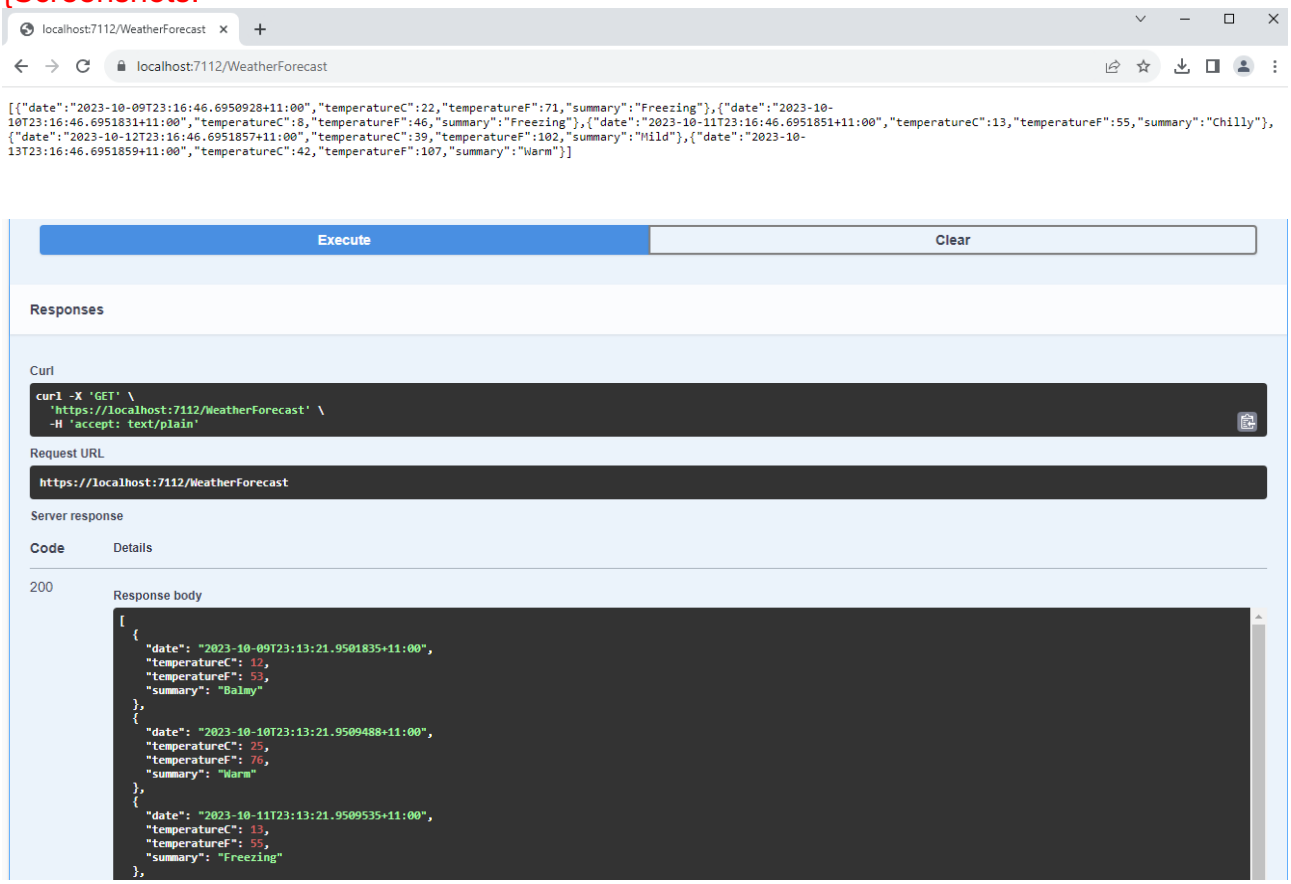
Self-Evaluation { High Distinction }:

Need Help	Work in Progress	Pass	Credit	Distinction	High Distinction

Task {10.1}:

{Answers: Screenshots of the API response (STEP6) }

{Screenshots:



}

{Link to code repository: }

{References}

{URLs}

Task {10.2}:

{Answers:

Client-side rendering (CSR) is the process of rendering web pages on the client using JavaScript. In this approach, the server sends the initial HTML file, but the client then uses JavaScript to dynamically update the page as needed. This allows for more interactive and responsive web pages, as the client can update specific parts of the page without needing to reload the entire page.

Server-side rendering (SSR) is the process of rendering web pages on the server and sending the fully-rendered HTML to the client. In this approach, the server generates the HTML, including any dynamic data, and sends it to the client as a complete page. The client then displays the page without any further processing.

Client-Side Rendering (CSR) and Server-Side Rendering (SSR) are two common rendering techniques used in web development, each with its own advantages and disadvantages.

Client-Side Rendering (CSR) is performed in the client browser using JavaScript, while Server-Side Rendering (SSR) is performed in the server-side browser using JavaScript. For SSR, the server generates the full HTML for the page and sends it to the client browser.

Client-Side Rendering (CSR) has a slow initial load time due to the need to download the JavaScript file and render it.
Server-Side Rendering (SSR) has a faster initial load time because the server sends the fully rendered HTML.

Client-Side Rendering (CSR) is challenging for search engine optimisation because some web crawlers have difficulty with JavaScript-rendered content. Server-Side Rendering (SSR) is better for search engine optimisation because fully rendered pages are easier for web crawlers to index.}

{Screenshots: }

{Link to code repository: }

{References: https://www.geeksforgeeks.org/server-side-rendering-vs-client-side-rendering-vs-server-side-generation/
,https://dev.to/codewithtee/server-side-rendering-ssr-vs-client-side-rendering-csr-3m24#:~:text=Client,upload%20is%20a%20bit%20slow,
https://rockcontent.com/blog/client-side-rendering-vs-server-side-rendering/#:~:text=Client,will%20load%20the%20entire%20site,
}

{URLs}