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Final Assignment Reflection

Responsive web design refers to a design that prints out the composition and layout of elements in one web page according to various device environments. In the past, web pages had many layouts using fixed values, which caused the screen composition to be damaged depending on the resolution of the screen or the display size of the device. However, this problem does not occur because the responsive web page varies its configuration according to the display environment of the device.

 The biggest advantage of responsive design is that it can flexibly respond to various environments of users without dividing a separate web page and domain. In the early days of mobile web page development, a mobile web page was created separately and redirected to a mobile web page when a user accessed in a mobile environment. However, responsive web design does not require separate development because everything is implemented in one web page.

The most important factor in designing responsive web design is the use of relative units. A web page designed using a fixed value such as Pt is likely to have a problem that if the display is small, the characters are too large or the padding, margin, and border values ​​are too large, and the contents inside are not displayed properly. Therefore, in responsive web design, relative units such as %, em, rem, and vh should be used to maintain a constant size even if the display size changes.

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A representative technology for basic configuration of responsive web design is viewport. The viewport composes a web page by setting the width of the device as a reference value. Therefore, when the device is changed or the display size is changed, the reference value is changed, so that the design of the web page is also changed. The unit that changes according to the reference value of this viewport is vh. With Vh, even if the screen size changed, the font size, etc. changed according to the screen size, so that a stable screen configuration could be maintained. Also, in the mobile environment, when the side menu is used, the main screen becomes smaller, so the side menu was changed to the top menu to respond.

To conclude, this research helped me a lot before developing a personally planned web application. It was learned that the importance of creating a responsive design according to the device environment and the change in UX accordingly should also be considered.