

Tutorial No. 05

**Title: Flexible Content Layout and Responsive
Webpage**

Batch: B1 Roll No.: 16010420133

Tutorial No.: 5

Aim: To design flexible content layout and responsive web pages.

Resources needed: Notepad++, Web Browser

Theory:

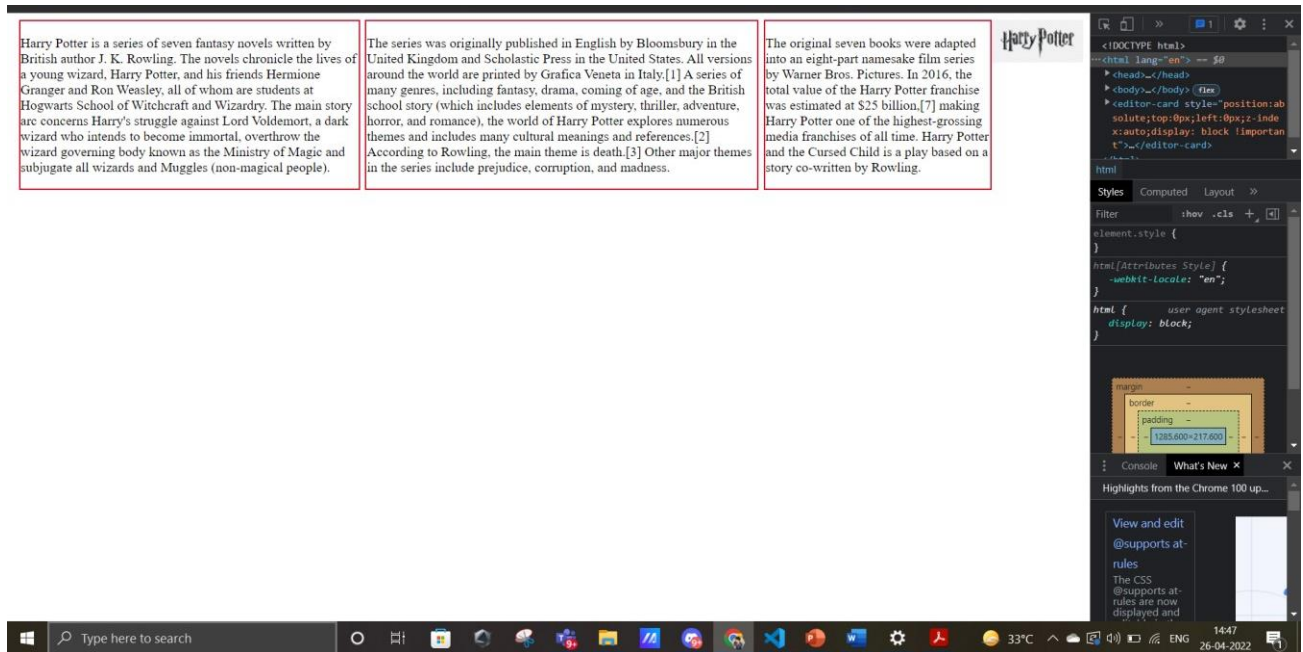
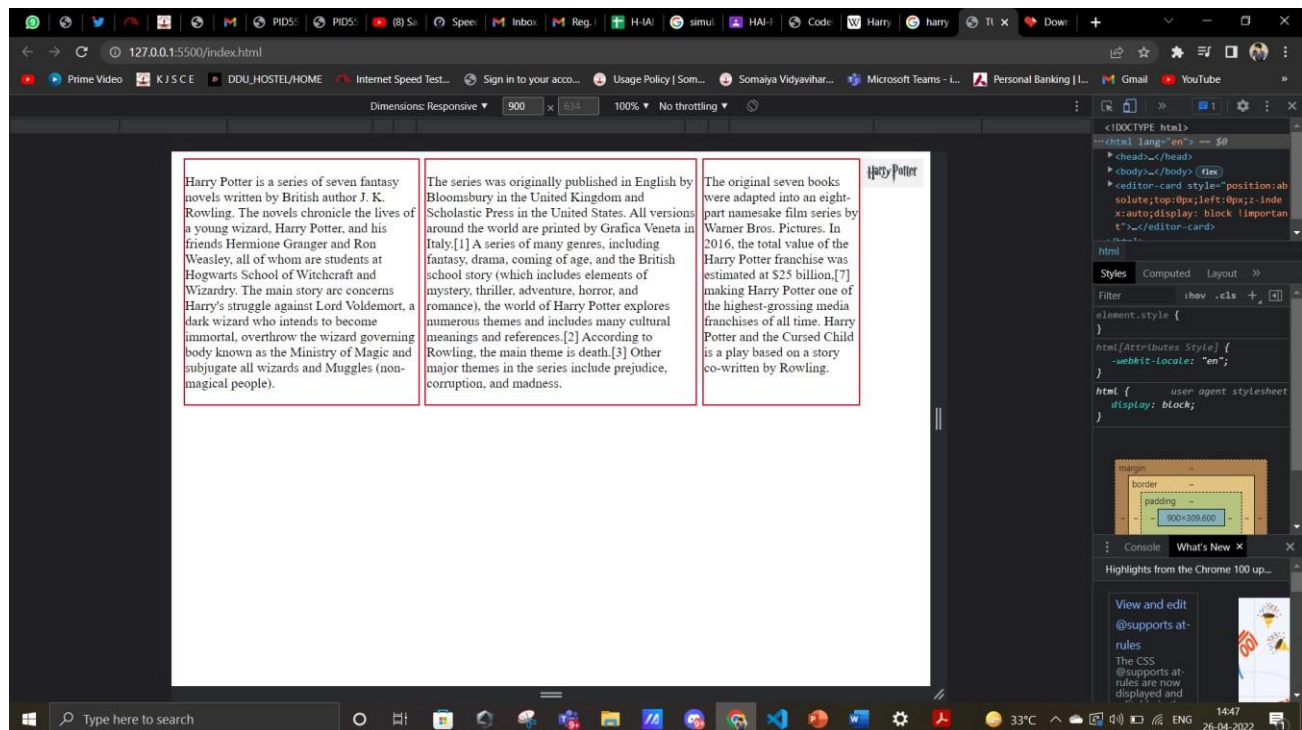
Responsive Web Design-The goal of a responsive layout is to function well on every single device. Regardless of screen size or resolution, your responsive designs should always be usable.

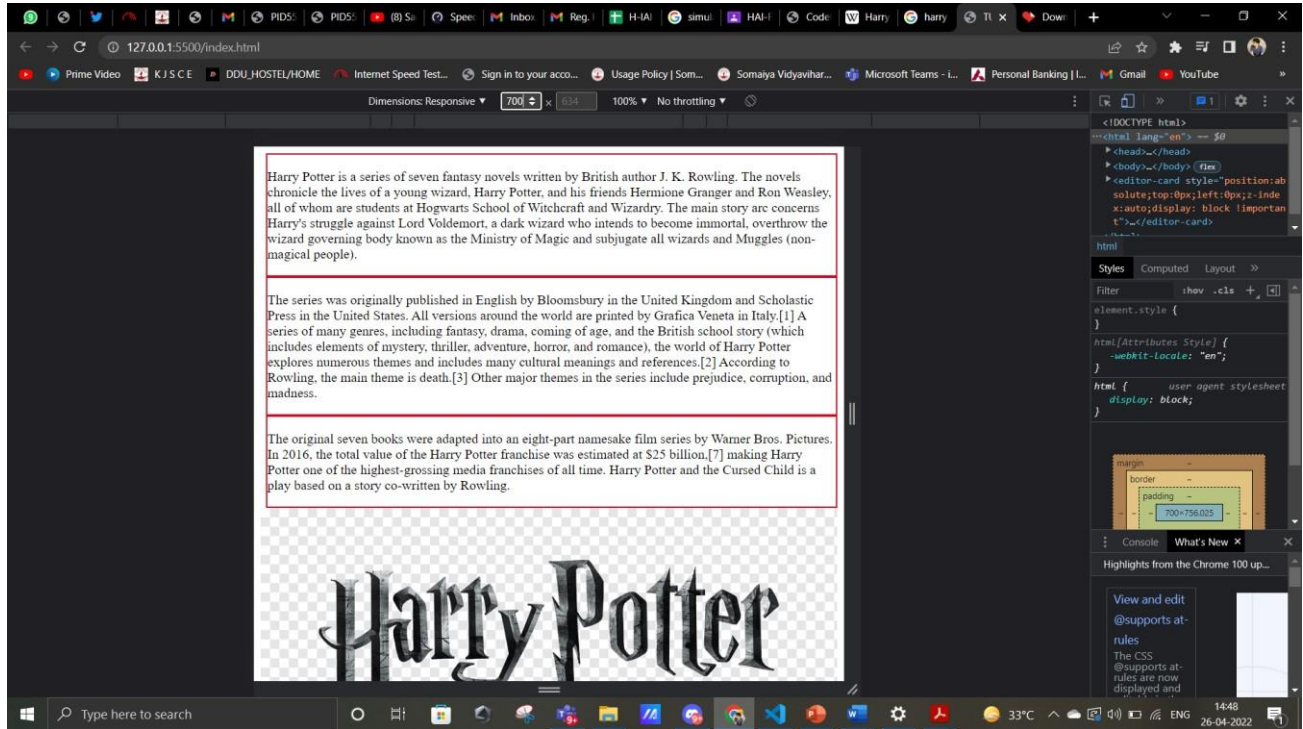
Focus on usability for every single aspect of your site. This may be easier starting with mobile-first because you're designing for limited features, then moving up to desktop which supports a wider screen size.

Flex Layout Model- CSS3 flexible Box, or flexbox is a new layout model for creating the more flexible user interface design with multiple rows and columns without using the percentage or fixed length values. The CSS3 flex layout model provides a simple and powerful mechanism for handling the distributing of space and alignment of content automatically through stylesheet without interfering with the actual markup.

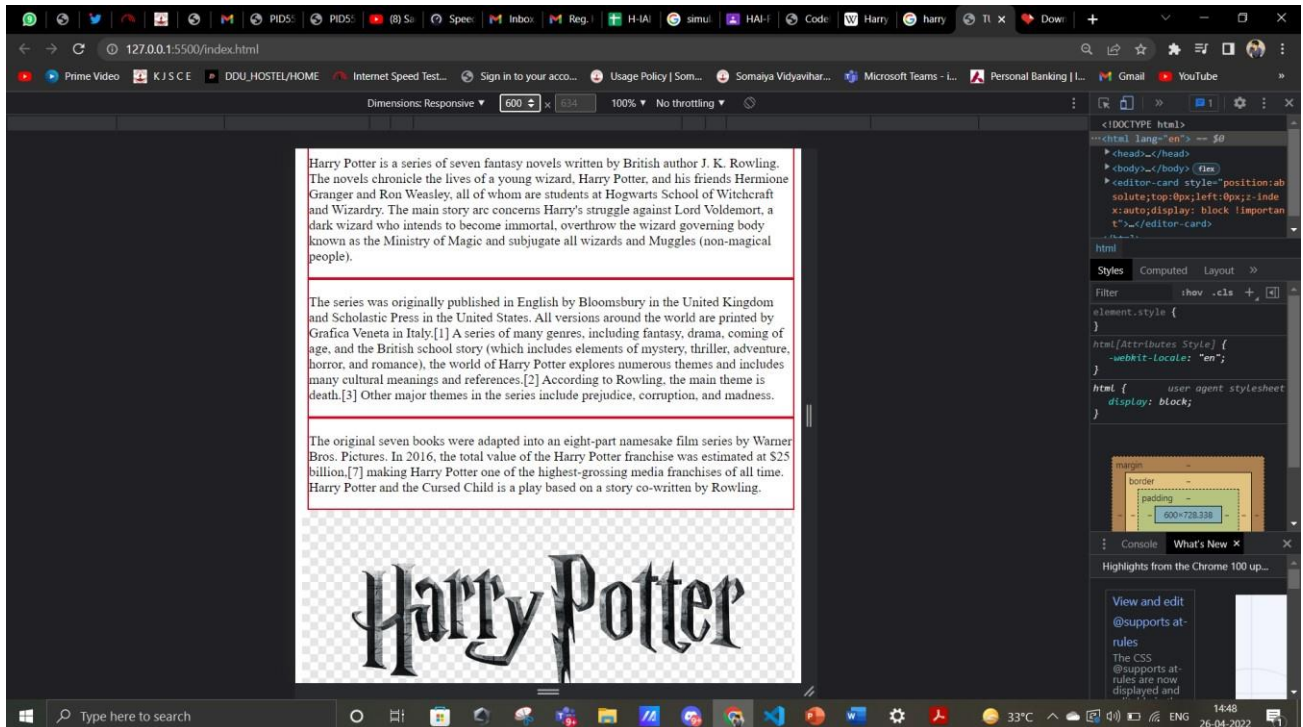
Activity

Add grid layout, flex container and responsive property to the webpages

Result:**At Window Size 1000:****At Window Size 900:****At Window Size 700:**



At Window Size 600:



Outcomes:

CO2: Create Web pages using HTML 5 and CSS

Conclusion: (Conclusion to be based on the outcomes achieved)

Thus I have Successfully design flexible content layout and responsive web pages.

Grade: AA / AB / BB / BC / CC / CD /DD

Signature of faculty in-charge with date

References:

Books/ Journals/ Websites:

- “Web technologies: Black Book”, Dreamtech Publications
 - <http://www.w3schools.com>
 - <https://css-tricks.com/snippets/css/complete-guide-grid/>
 - <https://css-tricks.com/snippets/css/a-guide-to-flexbox/>
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