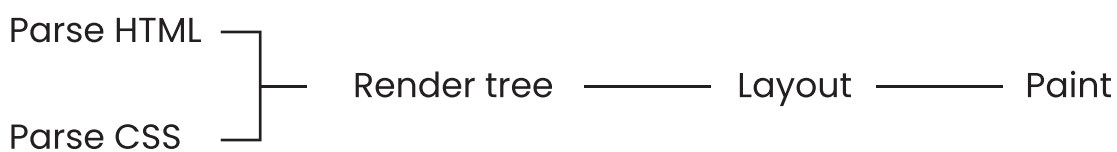


MERN STACK DEVELOPMENT

Request & Response Cycle – Task 2

2. How does the browser actually render a website?

- » Browser is one of the most complex applications.
- » Rendering process includes parsing, layout, painting and etc.



- » While parsing, if we omit tags also, it will automatically position the tags and create the parse tree for that.
- » `<script>`, `<link>`, `<style>` tags can halt the parsing. This is called re-entrant. So, `<script>` at the bottom will help website to render fast.
- » DOM and CSSOM will combine after the parsing, it will create the render/frame tree. It is the actual representation of what we are going to show.
- » Render tree is actually multiple trees like,
 - Render Objects
 - Render Styles
 - Render Layers
 - Line Boxes
- » After render/frame tree in layout process elements will appear on the page as per css, then painting process will produce the output.