**General Points**

1. When we click on a website. The web server asks the **Application Server** to send the asked data. The Sent Data might be Static and dynamic type.
2. **Static** is when everything is sent in one go.
3. **Dynamic** is when everything is sent when we ask for it.
4. **Caching** 🡺 Saving a copy of the requested page, so that when it’s called again. It will be fast to response.
5. So when a dynamic content is requested it first check in **cache memory**, then goes to application server if not there.
6. **Single Page Websites** means only one HTML page that will be received from the server to browser, then as the request is made content is received and updated in that HTML page. SPA have two ways to deliver the requested content Bundling and Lazy Loading.
7. **Bundling** is sending all data in go as bundle for browser to show.
8. **Lazy loading** is sending one by one data as requested.
9. **React Fiber Architecture 🡺** Think of it as a priority system. The highest priority changes, the elements visible to the user, are updated first. While lower priority changes, the elements not currently displayed, are updated later.
10. **window.scrollTo()** 🡺 is a method available on the window object in the browser. It is used to scroll the window to a specific set of coordinates.
    1. window.scrollTo(x-coord, y-coord) 🡺 window.scrollTo(0, 0);
       1. **x-coord:** The pixel along the horizontal axis of the document that you want displayed in the upper left. 0 for the x-coord means no horizontal scrolling; the left edge of the content is aligned with the left edge of the viewport.
       2. **y-coord:** The pixel along the vertical axis of the document that you want displayed in the upper left. 0 for the y-coord means no vertical scrolling; the top edge of the content is aligned with the top edge of the viewport.
11. MUI Drawer Chronology:  
    