

## ASSIGNMENT - 2

Q.1 Explain The use of pagination using bootstrap ?

Ans

We use a large block of connected links for our pagination. making links hard to miss and easy scable all while providing large hit areas pagination is build with list HTML elements so Screen readers can announce the number of available links. Use a wrapping `<NAV>` elements to identify it as an navigation section to advisable to provide a descriptive area. label for the `<NAV>` to reflect its purpose.

- Eg: if the pagination component is used to navigate between a set of Search result an appropriate label could be Area - label - Search results pages ?

Q.2. Write a short not on toast ?

Ans

Toast are lightweight notification designed to mimic the path notification that have been popularized by mobile and desktop operating system. They are built with flexbox. So these are easy to align and position.

To encourage extensible and predictable toast we recommend a header and body. Toast header use display flex, allowing easy alignment of contents that's to our margin and flexbox utilities. Toast are flexible



as you need. At a minimum, we require a single element to contain your "toasted" content and strongly encourage a dismiss button.

Q.3: what is breadcrumb? Explain with example.

Ans

Breadcrumbs are a great way to show hierarchy - based information for a site. In the case of blogs, breadcrumbs can show the dates of publishing, categories or tags. They indicate the current page's location within a navigational hierarchy. A breadcrumb in bootstrap is simply an unordered list with a class of breadcrumbs.

• Eg:

```
<ol class = "breadcrumb" >
  <li> <a href = "#"> HOME </a> </li>
  <li> <a href = "#"> 2021 </a> </li>
  <li> class = "active" > September </li>
</ol>
```

Q.4: what are cards? Explain with suitable example

Ans

A card is a flexible and extensible content container. It includes options for header and footers, a wide variety of content, contextual background color and powerful display options. Cards replace our old panels, wells, and components. A modifier class is available as modifier classes.



is available as modifier class for Cards.

• Eg:

```

<div class = "card" style = "width = 180px; height = 150px;">
  <img src = "..." class = "card-img-top" alt = "..." />
  <div class = "card-body">
    <h3 class = "card-title">Card title</h3>
    <p class = "card-text">Some quick example
    text to build on the card title and makeup
    the cards content</p>
    <a href = "#" class = "btn btn-primary">
    Go somewhere</a>
  </div>
</div>

```

Cards ~~stffs~~ support a wide variety of Content including image, text list groups and so more. The building blocks of a Cards is the Card-body. Card to a `<h*>` tag. Cards -img-top places an image to the top of the Cards.

Q.5 Define ajax. How does ajax works?

Ans

AJAX Stands for Asynchronous Javascript and XML. It is not a programming language Its just use a combination of (a) browser built in XML HTTP request object allow web page to be updated asynchronously by exchanging data Scences. This means thats a possible to update parts of a web page, without reloading the whole page.



## WORKING

### Browser

### Internet

- |  |                       |  |
|--|-----------------------|--|
| <p>An event occurs</p> <ul style="list-style-type: none"> <li>• create an xml HTTP request object</li> <li>• Sends Http request</li> </ul> | <p>→ [INTERNET] →</p> | <ul style="list-style-type: none"> <li>• process request.</li> <li>• create a response and send data back to the browser.</li> </ul> |
|--|-----------------------|--|

### Browser

- |  |                       |
|--|-----------------------|
| <ul style="list-style-type: none"> <li>• process the returned data using js</li> <li>• Update page content.</li> </ul> | <p>← [INTERNET] ←</p> |
|--|-----------------------|

- An event occurs in a web page.
- An xml Http request object sends a request to a server.
- The server process the request
- The server sends a response back to the web page
- The response is read by java script.
- proper action is performed by javascript.

Q.6. Is usage of ajax secured? Explain ajax issue in details.

Ans

Ajax is not inherently secure or insecure. It does however open up "opportunities" for insecure code. The user is authenticated



in code-behind when the page is loaded. A user id or other credentials are rendered out and packed up and rendered out and packed up by JS.

These credentials also sent back over the wire by ajax and not checked server side.

Things to watch out for include:

(a) Proper authentication and authorisation checks in your web service or all.

(b) Anti-SQL injection measure.

(c) HTTPS if transmitting personal or sensitive data.

Ajax makes website more responsive and is pervasive across the modern web. Take care with security and degrade gracefully for non-JS enabled visitors.