

## ASSIGNMENT 1

Aim :- Implement HTML

Problem Statement - Use HTML5 layout tags<sup>to</sup> develop informative page with includes various images, links to other pages for navigation, make use of all possible formatting (font, color, etc)

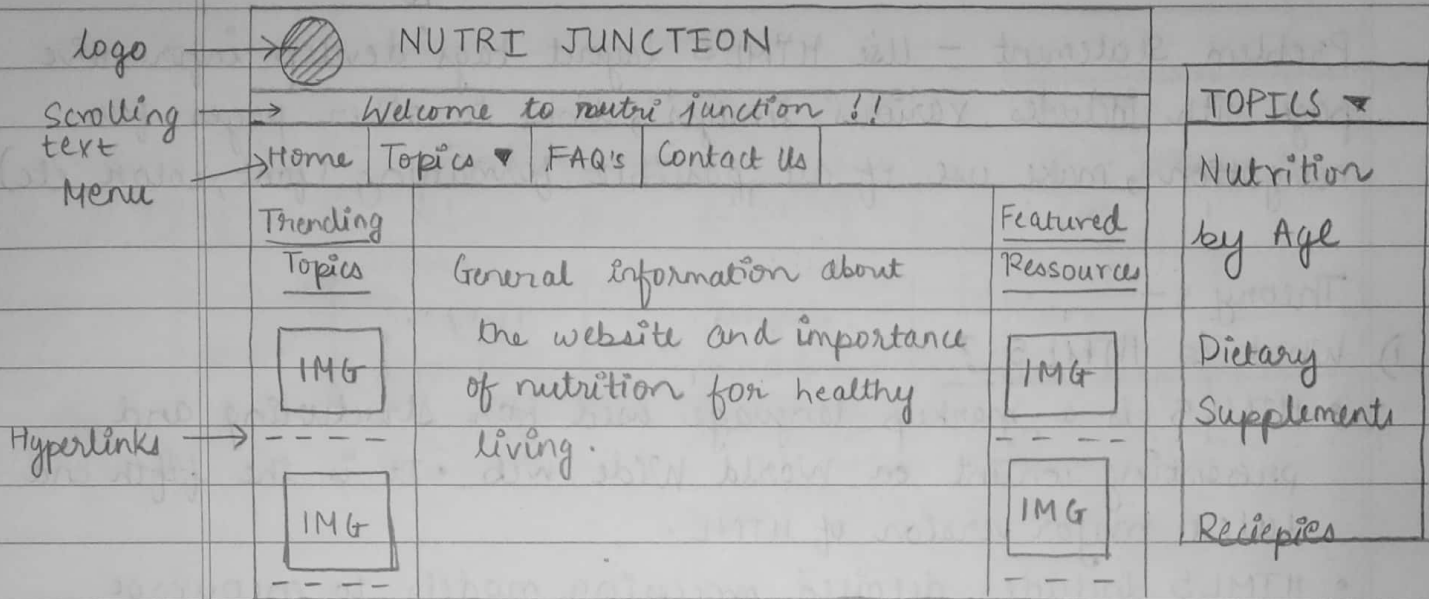
Theory :-

1) What is HTML5?

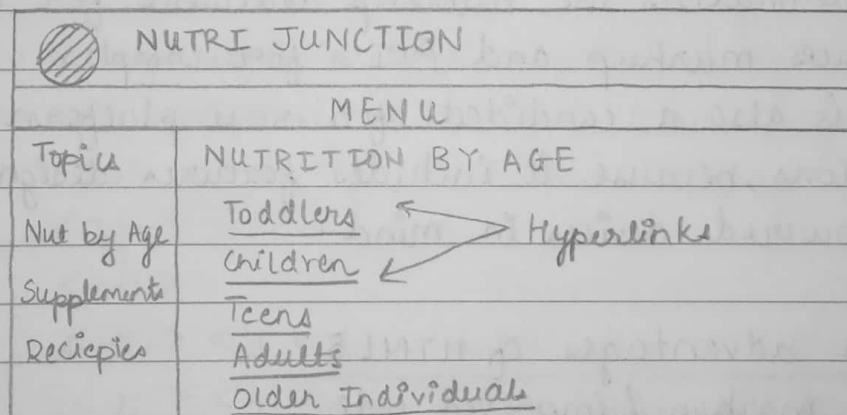
- HTML5 is a markup language used for structuring and presenting content on World Wide Web. It is the fifth and latest major version of HTML.
- HTML5 includes detailed processing models to encourage more interoperable implementations; it extends, improves and rationalizes the markup available for documents and introduces markup and API's for complex web application.
- HTML5 is also a candidate for cross platform mobile applications, because it includes features designed with low-powered devices in mind.

2) What are advantages of HTML5?

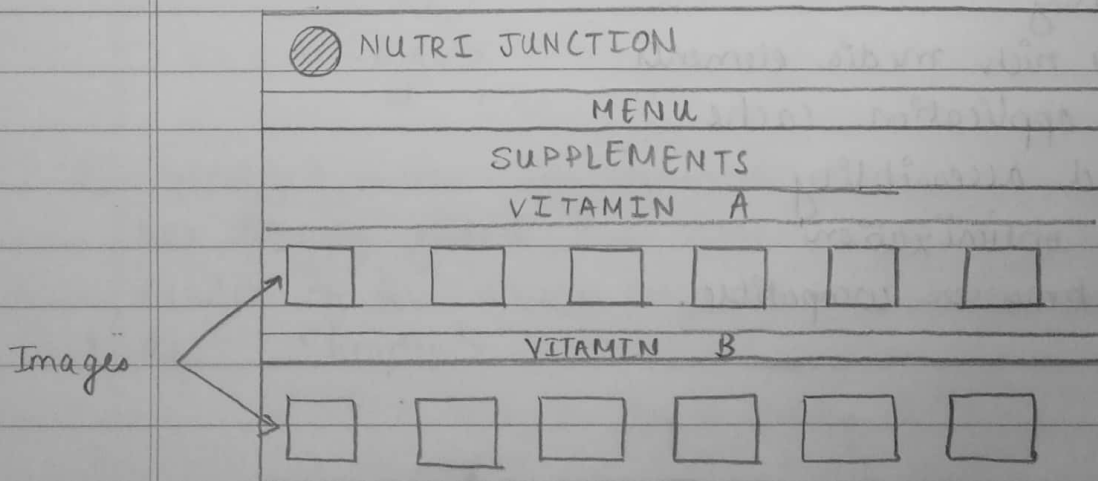
- cleaner markup / improved code
- elegant forms
- consistency
- supports rich media elements
- offline application cache
- improved accessibility
- mobile optimization
- cross browser compatible.

Document Structure :-

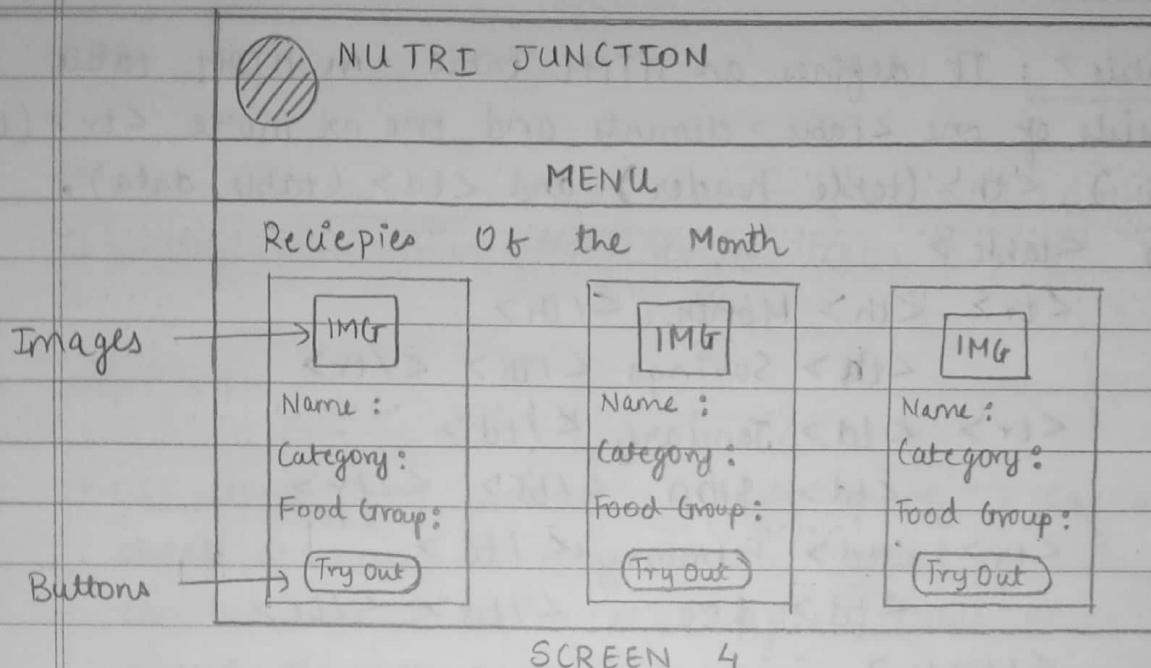
SCREEN 1



SCREEN 2



SCREEN 3



### HTML Tags :-

- 1) **<nav>** : The **<nav>** element is used for major navigation blocks. It represents a section with navigation links. The **<nav>** section can contain links to the other pages for the website or to other parts of the same webpage.

Eg: **<nav>**

**<ul>**

**<li> <a href = "#"> Home </li>**

**<li> <a href = "#"> Topics </li>**

**<li> <a href = "#"> Contact us </li>**

**</ul>**

**</nav>**

- 2) **<header>** : The **<header>** element to replace the **div** tag that has largely filled the role so far. It represents the header of the whole page or a section of it

Eg: **<header>**

**<h1> This is pageheading </h1>**

**</header>**



- 3) <table>: It defines an HTML table. An HTML table consists of one <table> element and one or more <tr> (table row), <th> (table header) and <td> (table data).

Eg: <table>

```
<tr> <th> Month </th>
      <th> Savings </th> </tr>
<tr> <td> January </td>
      <td> $100 </td> </tr>
<tr> <td> February </td>
      <td> $80 </td> </tr>
</table>
```

- 4) <img>: It is used to embed an image in HTML page. It has two required attributes:

- src - specifies the path to the image
- alt - specifies an alternate text for the image

Eg: <img src = "logo.jpg" alt = "Logo for website "  
height = "600" width = "500" >

- 5) <a>: It defines a hyperlink which is used to link one page to another. The most important attribute of the <a> element is the href attribute, which indicates the link's destination.

Eg: <a href = "https://www.w3schools.com" >  
Visit W3Schools.com! </a>

Conclusion: I designed a website using HTML5 and used various layout tags, also included images, hyperlinks along with formatting tags to add elegance to the webpages.