HTML Bangla Tutorial
HTML5

2

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HTML History

- 1989 Tim Berners-Lee invented www.
- 1991 Tim Berners-Lee invented HTML.
- 1993 HTML 1.0
- 1995 HTML 2.0
- 1997 HTML 3.2
- 1999 HTML 4.01
- 2014 HTML5

HTML5'S Objectives

1. More Semantic Tags
2. Improve accessibility
3. More Form types
4. Improve graphics and Media
5. Improve storage facilities
6. Remove few things

1. More Semantic Tags

Non-Semantic Tags	Semantic Tags
Meaningless tags	Meaningful Tags
Example: div, span	Example: <p>, <h1>, <form>, <table>

- HTML5 Semantic Tags: <header>, <nav>, <footer>, <menu>, <section>, <progress>, <figure>, <figcaption> etc.

Non-Semantic vs Semantic

Non-Semantic

```
<body>
    <div class="header">Header here</header>
    <div class="nav">nav here</div>
    <div class="main">
      <div>about me section</div>
      <div>contact section</div>
    </div>
    <div id="footer">footer here</div>
</body>
```

Semantic

```
<body>
    <header>Header here</header>
    <nav>nav here</nav>
    <main>
      <section>about me section</section>
      <section>contact section</section>
    </main>
    <footer>footer here</footer>
</body>
```

3. More Form types

```
<input type="text">
```

```
<input type="email">
<input type="number">
<input type="url">
```

```
<input type="time">
<input type="date">
<input type="week">
<input type="month">
<input type="datetime">
<input type="datetime-local">
```

```
<input type="text" placeholder ="Enter Your Name: " >
```

4. Improve graphics and Media

- <audio> - https://youtu.be/nnrCS41iuAQ
- <video> - https://youtu.be/kpqX5pZtAJE
- Graphics
  - <canvas> - https://youtu.be/ZVsV0V96-pw
  - Vector graphics – svg (small in size and load faster on web) - https://youtu.be/jXW7Fq2neow (progress bar video is here)

```
<audio controls autoplay>
  <source src="anthem.mp3" type="audio/mpeg" >
  Your browser does not support the audio tag.
</audio>

<video width="400" height="300" controls
autoplay loop muted poster="poster.png">
  <source src="love.mp4" type="video/mp4">
  <source src="love.mp4" type="video/mpeg">
  Your browser does not support the video tag.
</video>
```

5. Improve storage facilities

- Before Storage: temporary storage in cookies
- HTML5
  - application cache,
  - web SQL database and
  - web storage.

6. Remove few things

- acronym
- applet
- big
- center
- dir
- font
- frame
- frameset
- noframes
- noscript
- strike
- tt

References

- https://www.geeksforgeeks.org/top-10-new-features-of-html5/

- https://medium.com/beginners-guide-to-mobile-web-development/whats-new-in-html-5-4ce9d62bf114