Fundamentals of HTML

Internet Programming I: Lab II

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Department of Software Engineering

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Purpose of This Lab

- The purpose of this lab is to:
  - Practice using basic HTML elements, such as:
    - Adding meta information,
    - Different levels of Headings,
    - paragraphs
    - images,
    - list items,
    - links (anchor)
  - Practice with HTML file path specification
  - Add features into your course project
- **Before this Lab !!**
  - Be familiar with HTML Elements discussed in Chapter 2 lesson 1, 2 and 3
  - This practical session is a continuation of Lab 1, so refer back to lab 1 if it's necessary
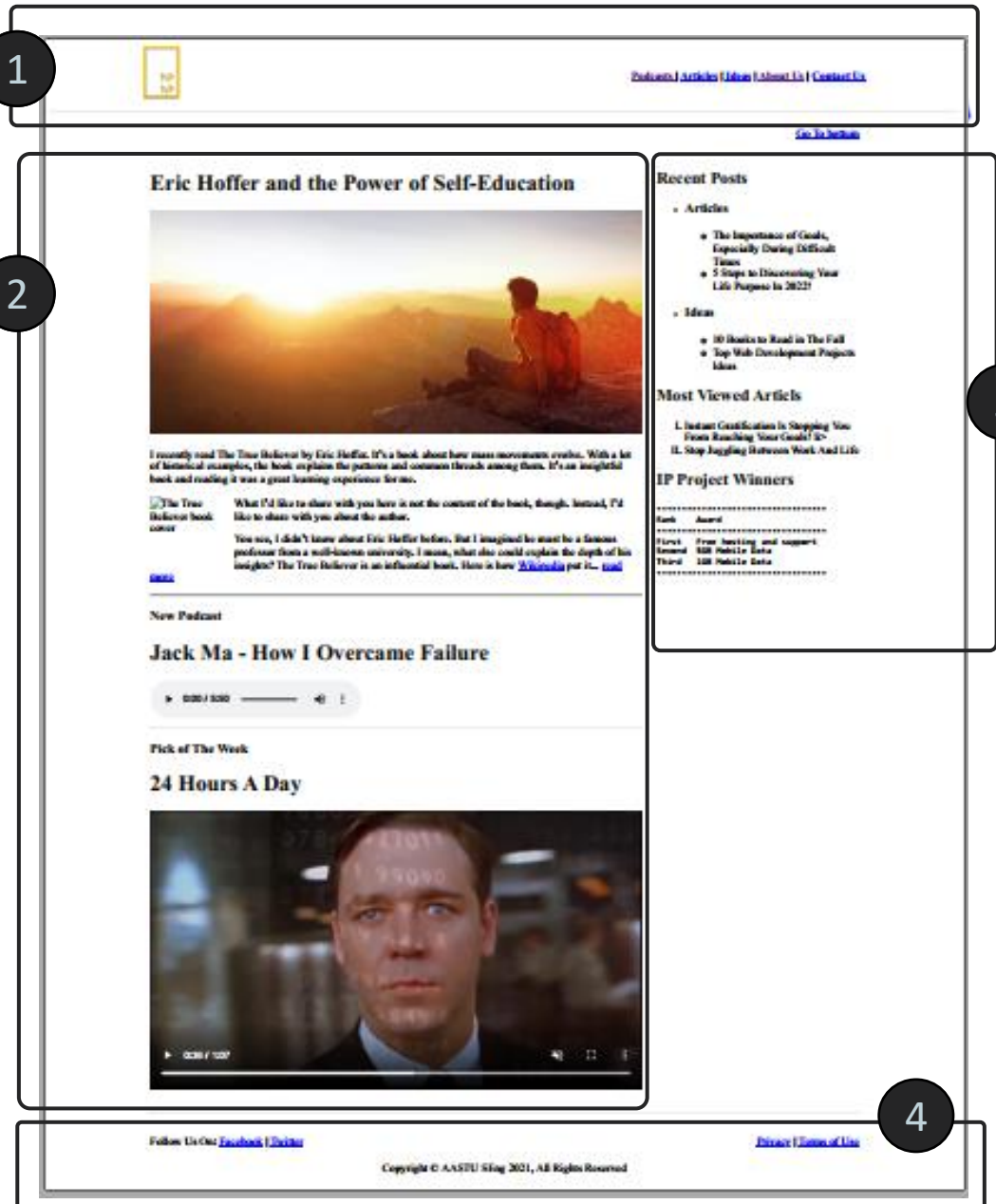
Document Organization

a. Download/Get the required material or create your own files to use for this session

b. Organize the files as shown in the figure
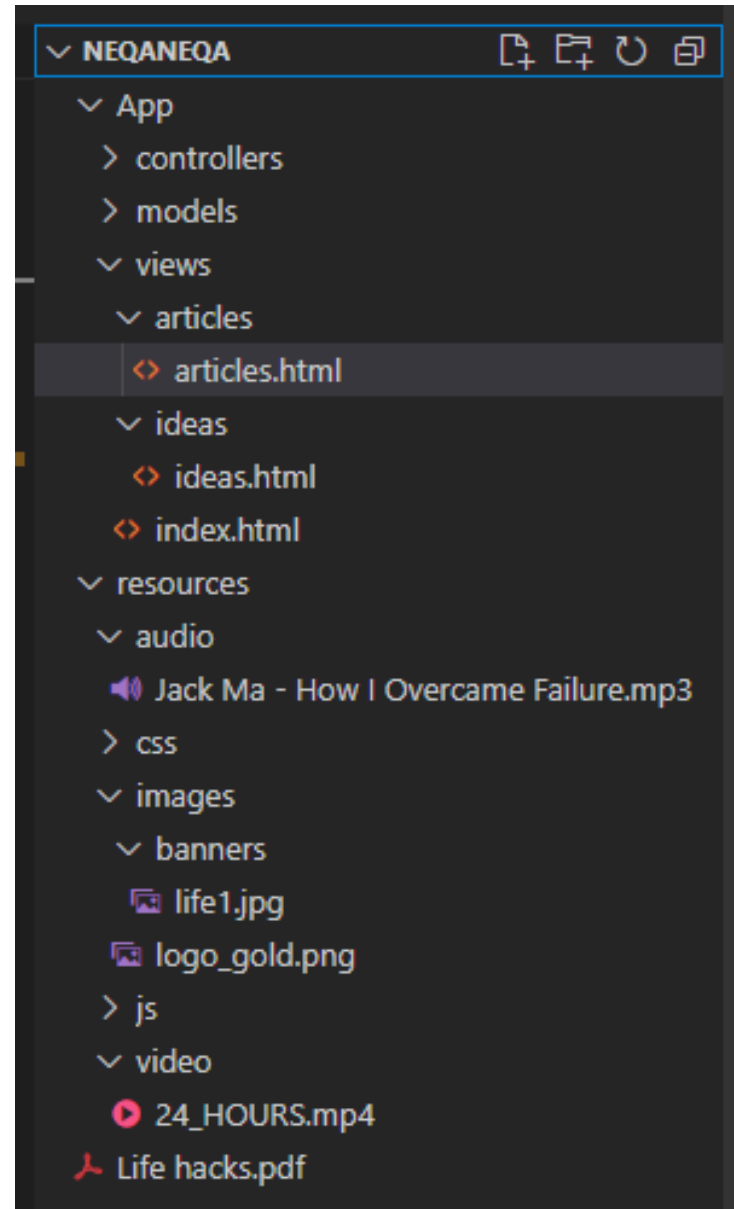
Sections of Exercise Page

1. **Header section**
   a. contains logo and navigation links

2. **Main content section**

3. **Side bar**

4. **Footer**

1. Information About the Document

- Start developing your web page by adding important data about the web page inside the head section using meta and title elements

- Apply other elements if you think they are important, and remember you can always comeback and modify this and other sections

```
1   <!DOCTYPE html>
2   <html lang="en">
3   <head>
4       <meta
5       <meta
6       <meta
7       <meta
8       <meta
9       <meta
10      <title>Life hacks</title>
11  </head>
```

2. Web Page Layout Using Table

- Since we are using pure HTML, layout of the page is created using table
    - Header section, a table with single row and two <td> elements
    - Main content, side bar and footer using another table, footer td spanning over two columns

- Therefore, practice with tables by creating the page layout

Logo	Navigation links

1

Main Content	Side Bar

2

3

Footer

4

2. Web Page Layout Using Table cont'd

- Create articles, ideas and index html pages as indicated by the document structure in the above slide
- All pages must have the same design/content for header, sidebar, footer section except the main content section
  - E.g. compare the snapshots of index.html and article.html below
- Insert logo image and add navigation links under header section connecting all the pages that you have created

index.html

article.html

3. Images

Logo image:
- Width in pixel, height is automatic
- Make this logo a Link, referencing to index.html

Content image:
- Width in percent, height is automatic
- Add alternate text, and title as shown in the snapshot

3. Images cont'd

I recently read The True Believer by Eric Hoffer. It's a book about how mass movements evolve. With a lot of historical examples, the book explains the patterns and common threads among them. It's an insightful book and reading it was a great learning experience for me.

The True Believer book cover

What I'd like to share with you here is not the content of the book, though. Instead, I'd like to share with you about the author.

You see, I didn't know about Eric Hoffer before. But I imagined he must be a famous ...fessor from a well-known university. I mean, what else could explain the depth of his ... The True Believer is an influential book. Here is how Wikipedia put it... read more
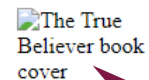
New Podcast

Jack Ma - Ho... ...lure

I. Instant Gratification Is Stopping You From Reaching Your Goals! li>
II. Stop Juggling Between Work And Life

IP Project Winners

```
-----------------------------------
Rank      Award
-----------------------------------
First     Free hosting and support
Second    5GB Mobile Data
Third     1GB Mobile Data
-----------------------------------
```

Alt attribute:
- Show how an alternative text will replace and image failed to load
- Use this incidence to check the benefit of specify image width and height

4. Links

Align table data to the right

File | C:/Users/Tibeb/Desktop/neqaneqa/App/views/index.html

Podcasts | Articles | Ideas | About Us | Contact Us

Image link:
- Make this logo a Link, referencing to index.html (use relative addressing)
- The referenced page should open in the same window

Text link:
- Create link to the corresponding pages as indicated in the name (use relative addressing)
- The referenced page should open in the same window

4. Links cont'd

Link to external pages/documents:
- Create link to Facebook and twitter pages (use absolute URL)
- The referenced page should open in a new tab

Link name for this location: bottom

0:35 / 1:07

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www.facebook.com/neqaneqa

Type here to search

65°F Haze

1:14 AM
12/9/2021

4. Links cont'd

Podcasts | Articles | Ideas | About Us | Contact Us

Go To bottum

Eric Hoffer and the Power of Self-Education

ent Posts

Articles

- The Importance of Goals, Especially During Difficult Times
- 5 Steps to Discovering Your Life Purpose In 2022!

Link to another location in the same page:
- Link to bottom of this page

5. Preformatted Text

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New Po

I. Instant Gratification Is Stopping You From Reaching Your Goals! li>
II. Stop Juggling Between Work And Life

IP Project Winners

```
-----------------------------------
Rank     Award
-----------------------------------
First    Free hosting and support
Second   5GB Mobile Data
Third    1GB Mobile Data
-----------------------------------
```

Display text as it's formatted in the code editor/text editor

6. List

the Power of Self-Education

Recent Posts

- **Articles**

  - The Importance of Goals, Especially During Difficult Times
  - 5 Steps to Discovering Your Life Purpose In 2022!

- **Ideas**

  - 10 Books to Read in The Fall
  - Top Web Development Projects Ideas
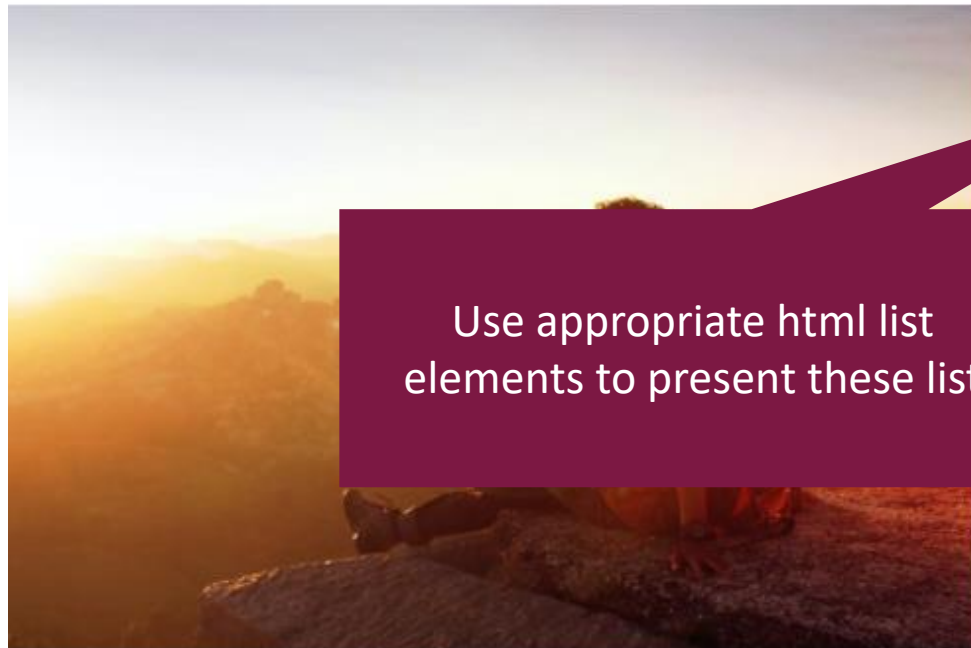
Use appropriate html list elements to present these list
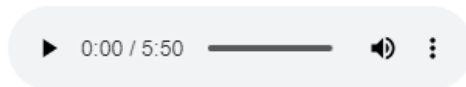
Most Viewed Articls

I. Instant Gratification Is Stopping You From Reaching Your Goals! li>
II. Stop Juggling Between Work And Life

7. Audio

New Podcast

Jack Ma - How I Overcame Failure

▶ 0:00 / 5:50 ━━━━━━━ 🔊 ⋮

Pick of The Week

Insert an audio file using audio and source element with the necessary attributes

8. Video

Pick of The Week

24 Hours A Day

Video:
- embed a video file using video and source element with the necessary attributes
- Specify dimensions of the video

9. HTML Entity Elements

Practice adding different HTML Entity elements by name and code

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4. Working on Your Project

- Apply everything you know on your course project