Workshop 01: HTML - Basic Tags, Forms, Lists

Brainster Web Development Academy

Content

1

Intro

For this workshop, you'll need to create different HTML pages. All of them are structured into four separate exercises.

01

- Create index.html & reservations.html pages that will be connected. That means that each of the pages should have a link to the other one.

- Place the title, description for the resort, and the image on the index.html page, as shown below. The image should have a caption (hint: figcaption) below it. Afterward, place the text for the ordered and unordered lists and add the reservations.html page's URL.

- The reservations page should contain a table where the rooms from the resort will be listed. Each room should have Room Type, Maximum Occupancy, and Average Price Per Night as an attribute in the table.

- Below the table, place the reservation form where the user can input his information & preferences (name, surname, mobile phone number, email address, type of the room, check-in date, check-out date, and comment).

  ❏ **Hint**: fieldset, textarea.

3

Red Abbey Resort

Red Abbey Resort is special. We strive to create a unique experience by taking you away from the hustle and bustle of the city to " a place untouched by time ". Upon your arrival our butler Mr. Carson will greet you with your room key and take your bags. From there you may choose to relax immediately in the Foyer Lounge while our attentive staff fixes your drinks, or retire immediately with the option of private dining directly in your room. Guests also enjoy strolling through our vast gardens, or unwinding on the rooftop conservatory. No matter how you choose to spend your time at the Red Abbey Resort, rest assured that you will enjoy the timeless luxury of a place untouched by the demands of the world.

The Main Guest House

Services and Ammenities

- Foyer Lounge
- Terrace Conservatory
- Private Dining
- Garden Views
- Weddings

Booking a Room

1. Have travel dates ready.
2. Call our booking number or submit a reservation request online.
3. pay deposit to hold your reservation
4. look for our call or email one week before arrival
5. Enjoy your stay at one of the **top resorsts in the world!**

Group travel

We accept large groups. Contact us for additional information and special group rates. Groups of more than 30 guests must be arranged at least 60 days in advance.

What Our Guests Have been saying

"We love Red Abbey Resort. Never has there been an establishment so fine. The food is gorgeous, and the staff is lovely."

Sound Good? Book your room today!

All content on this site is © Red Abbey Resort

Reserving a Room at Red Abbey Resort

Rooms and Prices

Our Guest Rooms		
Room Type	**Maximum Occupancy**	**Average Price Per Night**
Attic Room	1	100 $
Standard Room	2	170 $
Garden View Suite	4	220 $

Submit a Reservation Request

First Name [ ]

Last Name [ ]

Phone Number [ ]

Email [ ]

Preferred room type:
○ Attic Room   ○ Standard Room   ○ Garden View Suite

Check In: [mm / dd / yyyy]

Check Out: [mm / dd / yyyy]

Comment or Special Requests
[   ]

[Submit Request]

Reservations must be made *at least* 30 days in advance.

Return to Home Page

02

- Create an HTML page with listing some of the front end technologies. The description and images are available also on Google.

Front-end development

Front-end web development is the practice of converting data to graphical interface for user to view and interact with data through digital interaction using **HTML, CSS and Javascript.**

What we will learn

- HTML5
- CSS3
- Bootstrap
- JavaScript
- jQuery
- AJAX
- React

HTML5
Hyper Text Markup Language (HTML) is the backbone of any website development process, without which a web page doesn't exist. Hypertext means that text has links, termed hyperlinks, embedded in it. When a user clicks on a word or a phrase that has a hyperlink, it will bring another web-page. A markup language indicates text can be turned into images, tables, links, and other representations. It is the HTML code that provides an overall framework of how the site will look. HTML was developed by Tim Berners-Lee. The latest version of HTML, is called HTML5 and was published on October 28, 2014 by the W3 recommendation. This version contains new and efficient ways of handling elements such as video and audio files.It is very useful in creating web pages.

CSS3
Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language like HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript. CSS is designed to enable the separation of presentation and content, including layout, colors, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple web pages to share formatting by specifying the relevant CSS in a separate .css file, and reduce complexity and repetition in the structural content.

Bootstrap
Bootstrap is a free and open-source front-end library for designing websites and web applications. It contains HTML- and CSS-based design templates for typography, forms, buttons, navigation and other interface components, as well as optional JavaScript extensions. Unlike many web frameworks, it concerns itself with front-end development only. Bootstrap is the second most-starred project on GitHub, with more than 123,000 stars

JavaScript
JavaScript (/ˈdʒɑːvəˌskrɪpt/), often abbreviated as JS, is a high-level, interpreted programming language. It is a language which is also characterized as dynamic, weakly typed, prototype-based and multi-paradigm. Alongside HTML and CSS, JavaScript is one of the three core technologies of the World Wide Web. JavaScript enables interactive web pages and thus is an essential part of web applications. The vast majority of websites use it, and all major web browsers have a dedicated JavaScript engine to execute it.

jQuery
jQuery is a cross-platform JavaScript library designed to simplify the client-side scripting of HTML. It is free, open-source software using the permissive MIT License. Web analysis indicates that it is the most widely deployed JavaScript library by a large margin.

AJAX
Ajax (also AJAX /ˈeɪdʒæks/; short for "Asynchronous JavaScript And XML") is a set of Web development techniques using many Web technologies on the client side to create asynchronous Web applications. With Ajax, Web applications can send and retrieve data from a server asynchronously (in the background) without interfering with the display and behavior of the existing page. By decoupling the data interchange layer from the presentation layer, Ajax allows Web pages, and by extension Web applications, to change content dynamically without the need to reload the entire page. In practice, modern implementations commonly utilize JSON instead of XML due to the advantages of JSON being native to JavaScript.

React
In computing, React (sometimes React.js or ReactJS) is a JavaScript library for building user interfaces. It is maintained by Facebook, Instagram and a community of individual developers and corporations. React can be used in the development of single-page applications and mobile applications. It aims primarily to provide speed, simplicity, and scalability. As a user interface library, React is often used in conjunction with other libraries such as Redux.

03

- Create an HTML page that should look like a CV template.

James Gist
10255 Billings Road, Waxahachie TX 72065
952-341-4312

Objective
A front-end developer position in a leading team.

Experience
2002-present
Senior Assistant Manager, Great Steaks Steakhouse. Duties include all operational tasks, personnel, ordering and all local advertising and promotional events. Due to extensive local promotion and community involvement, our store's regional sales volume rank has increased from 11 to number 1 and profit margins have increased by 22%.

1999-2002
Line cook and eventual crew chief at Pablo's Mexican restaurant.

1997-1999
Mays department store, sales clerk.

Education
1997-2001
B.A. Business Administration and Food Service Management from Central Texas University
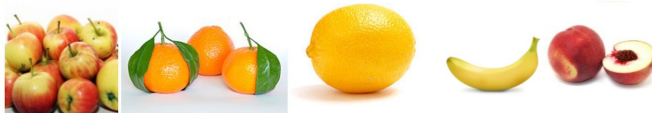
1997
Valedictorian - West End high School

Interests
Big Brothers of Texas, white water rafting, personal computers, primitive camping, gourmet cooking.

04

- Create an HTML page for fruits. On the main index.html page show all of the fruits in the store, as an image that on click should redirect the user to a separate page for the desired fruit. Each respective page should contain the same image and some additional information for the fruit. You can add a link from Wikipedia to have further information with a click.

- Do not forget to add an option for the user to return to the main page where all of the fruits are placed. You can take the images and text from Google/Wikipedia.

Fruits

04

- Apple page

Apple

An apple is a sweet, edible fruit produced by an apple tree (Malus pumila). Apple trees are cultivated worldwide as a fruit tree, and is the most widely grown species in the genus Malus. The tree originated in Central Asia, where its wild ancestor, Malus sieversii, is still found today. Apples have been grown for thousands of years in Asia and Europe, and were brought to North America by European colonists. Apples have religious and mythological significance in many cultures, including Norse, Greek and European Christian traditions.

5 Facts about Apple

1. A medium apple contains about 80 calories
2. Apples have religious and mythologica
3. Apple trees are large if grown from seed.
4. There are more than 7,500 known cultivars of apples
5. Different cultivars are bred for various tastes and uses

READ MORE ABOUT APPLES

- Orange page

Back to store

Orange

Oranges and orange juice The orange is the fruit of the citrus species Citrus × sinensis in the family Rutaceae.[1] It is also called sweet orange, to distinguish it from the related Citrus × aurantium, referred to as bitter orange. The sweet orange reproduces asexually (apomixis through nucellar embryony); varieties of sweet orange arise through mutations.

5 Facts about Orange

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READ MORE ABOUT ORANGE

04

- ## Lemon page

Back to store

Lemon

The lemon, Citrus limon (L.) Osbeck, is a species of small evergreen tree in the flowering plant family Rutaceae, native to Asia. The tree's ellipsoidal yellow fruit is used for culinary and non-culinary purposes throughout the world, primarily for its juice, which has both culinary and cleaning uses.[2] The pulp and rind (zest) are also used in cooking and baking. The juice of the lemon is about 5% to 6% citric acid, with a pH of around 2.2, giving it a sour taste. The distinctive sour taste of lemon juice makes it a key ingredient in drinks and foods such as lemonade and lemon meringue pie.

5 Facts about Lemon

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2. Apples have religious and mythologica
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READ MORE ABOUT LEMON

- ## Banana page

Back to store

Banana

A banana is an edible fruit – botanically a berry[1][2] – produced by several kinds of large herbaceous flowering plants in the genus Musa.[3] In some countries, bananas used for cooking may be called plantains, in contrast to dessert bananas. The fruit is variable in size, color, and firmness, but is usually elongated and curved, with soft flesh rich in starch covered with a rind, which may be green, yellow, red, purple, or brown when ripe.

5 Facts about Banana

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READ MORE ABOUT BANANA

04

- Peach page

Back to store

Peach

The peach (Prunus persica) is a deciduous tree native to the region of Northwest China between the Tarim Basin and the north slopes of the Kunlun Mountains, where it was first domesticated and cultivated.[3] It bears an edible juicy fruit called a peach or a nectarine.

5 Facts about Peach

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READ MORE ABOUT PEACH

Break a leg!

Please use the screenshots folder to see how your pages should look. If there isn't enough time, try to finish the exercises at home. Feel free to use different images for the exercises if not provided.