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Web development technologies  Spring 2023

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# KEY:

Comments: All pages

Site Map: Navigation on every page.

Pull-down-Navigation: All pages In mobile view.

Float Property: Navigation on every page.

Form(s): mission-9.html Rate your experience.

Table(s): index.html

Ordered List: mission-4.html

Unordered List: mission-1.html

Description List: mission-8.html

3 external links: h3\_styles.css h3\_tables.css h3\_reset.css

Link to Email: mission-9.html

“Back-to-top” use of ID attribute: All pages

Graphics: All pages

# MEASUREMENT OF SUCCESS:

**What will be measured:** Customer satisfaction.

**Measurment of Success:** A survey will be used with rank based questions regarding the users experience on the site. A scale of 1-5 will be used and 80% of the responses must be 3 or higher for this site to be considered successful.

# MAIN ELEMENTS OUTLINE:

* **Home**: Welcome page – introduction to the website and what the purpose of the site is supposed to be.
* **Sierra 117**: This part of the site walks you through jungle looking level.
* **Crows Nest:** This part of the site walks you through the underground base level.
* **Tsavo Highway:** Gives a walkthrough of the level that first introduces vehicles.
* **The Storm:** This walks you through the level that introduces your first “boss.”
* **Floodgate:** This part of the site helps you through a level that introduces the Flood.
* **The Ark:** This part of the site will help you through one of the most complex levels in the game.
* **The Covenant:** This part of the walkthrough will help you take out the major villain of the game.
* **Cortana:** This will help you find Cortana and escape from the flood-infested ship.
* **Halo**: This is part of the site will walk you through the last mission of the game.

# TARGET AUDIENCE ANALYSIS:

**Gender:** Built to target and be accessible to all genders

**Age:** Target users age 17 and up

**Educational Level:** 12th grade in high school or older

**Reading and Vocabulary level**: 6th grade reading level or higher – all topic specific terms will be defined

**Technical Aptitude:**

1. Access of computer
2. Open a browser
3. Navigate to a web site
4. Use a mouse and keyboard

**Connection Speeds:** The minimun connection speed required is 25Mbps

**Browsers:** Chrome andOpera GX because they have more features for gaming

**Operating Systems**: Windows is generally the best choice for pc gaming. If you are using gaming console, then this should not be a problem

**Resolution:** 1920 x 1080 — FHD (Full HD) / 1080p

# HIERARCHY CHART STORYBOARD:

# SITE STANDARDS:

## TEMPLATES: Every page within the site must use one of the pre-approved templates which are stored in the “templates” folder within the root folder for the site.

Follow the guidelines in the Maintenance Plan if you would like to introduce a new template for approval.

## GRAPHICS SPECIFICATIONS:

* **Process for adding or changing a graphic:** Refer to the Maintenance plan for the process to add or change a graphic.
* **Legalities:**
* **Copyright Materials:**
* Copyright materials are allowed on this site per the “Materials License Agreement”. A copy of the signed license must be stored In the “Copyright Permissions” folder.
* Approval must be granted by the Webmaster a Change Request Form is submitted before adding new graphics to the site.
* Approval for any graphics that do not include the source of graphics and the signed permission form with the Change Request Form will not be granted.
* **Personal Materials:**
* The use of Personal materials is **NOT** allowed on the site.
* **Open source or “Free graphics”**:
* Open source graphics, video or audio (assets) are allowed on the site.
* A copy or screen shot confirming that the site where the asset(s) were obtained was a royalty free site must be obtained and stored in the Open Source Permissions Folder.
* **File Size Requirements:**
* **Dimensions:** The dimensions of all images must be smaller than the container in which it will display.
* Refer to the code for the template in which the asset will be displayed for the container dimension.
* Be sure to check the margins, padding, and borders assigned to the containers.
* Use the appropriate graphics editing tool to resize the graphics.
* **File Size:** There is no restriction on file size as the connection speeds of the users of this size will generally be a high-speed broadband internet connection (25MB or higher).

## NAMING CONVENTIONS:

### INDUSTRY STANDARD:

This site will be developed following the most recent industry standard for Windows, MAC, and Unix/Linux. The most recent standard allows up to 255 characters, spaces, and most special characters.

### DEVELOPMENT STANDARD:

Pages for this “Halo 3 Campaign Walkthrough” Web Site will be named using the link names without any spaces or special characters (other than the hyphen), and names cannot exceed 31 characters. You must follow the WCAG guidelines.

* index.html
* mission-1.html
* mission-2.html
* mission-3.html
* mission-4.html
* mission-5.html
* mission-6.html
* mission-7.html
* mission-8.html
* mission-9.html

## TEST PLAN:

* **Browsers:** The most recent versions of:

1. Chrome
2. Opera GX

* **Connection Speeds:**

Download: 3Mbps Location: Home network

Download: 286Mbps Location: ATC

* **Resolutions:**

1. 1920 x 1080 — FHD (Full HD) / 1080p

* **Operating System:**

1. Windows 11

* **Validation:**

1. All pages will be validated as they are completed and when any changes are made.
2. Every page must be validated for html and any embedded CSS rules using the HTML Validator and the CSS validator provided by the W3C.
3. All external CSS pages pages must be validated using the CS3 validator provided by the W3C.
4. Upon completion of the entire site must be validated for the HTML and CSS before publishing. All errors and warnings must be corrected before publishing.

## MAINTENANCE PLAN:

|  |  |  |
| --- | --- | --- |
| **Schedule for Updating Site:** | Monthly new information related to Halo 3 should be updated to ensure that visitors to the site are seeing the current/relevant information for the IT program  at ATC. | 1. Every Monday before 11:59 PM the index page will be updated to reflect any new tips that may come up. 2. Every page related to the Halo 3 Campaign Walkthrough must be updated to reflect the changes. |
| **Approval Process for adding new pages and/or graphics:** | 1. All requests for the addition of new pages or change requests for existing pages must be made using the approved addition/change request form. Forms must be submitted to the Webmaster via email. 2. Graphics(s) requests must be made using the approved New/Change graphic form. Forms must be submitted to the Webmaster via email. | 1. Every Tuesday the Webmaster will review all submitted change request forms and notify the person/department requesting the changes of the decision within the week of the review. 2. All new pages must use once of the existing templates used in the Site. 3. Graphics must comply with the Graphics standards identified in the Site Standards document. |
| **Test schedule for site functionality for links, graphics and form:** | Every page must be tested to ensure that all links, graphics and forms are working and/or displaying correctly. | Google Analytics will be used for testing the functionality of the sites links, graphics and forms.   1. Analytics reports will be run every Wednesday morning at 8:00 AM. 2. All issues/errors will be addressed and corrected by the end of the day on Wednesday. |

## EXTERNAL CSS:

@charset "utf-8";

/\*

Style Sheet

Author: Tyler Delger

Date: 02/28/2023

Filename: h3\_styles.css

\*/

/\* HTML and Body Styles \*/

html {

background: url(cover.jfif) center center / cover no-repeat fixed;

height: 100%;

font-family: Verdana, Geneva, sans-serif;

font-size: 12px;

}

body {

background: rgb(134, 176, 232);

box-shadow: rgb(51, 51, 51) 5px 0px 15px,

rgb(51, 51, 51) -5px 0px 15px;

margin: 0px auto;

min-height: 100%;

min-width: 320px;

max-width: 1024px;

width: 100%;

}

/\* Body Header Styles \*/

body header img {

display: block;

width: 100%;

height: 350px;

}

/\* Horizonal Navigation Styles \*/

nav.horizontal {

background-color: rgb(135,206,250);

min-height: 2em;

}

nav.horizontal li {

color: rgb(31, 73, 125);

display: block;

line-height: 2em;

text-transform: uppercase;

}

nav.horizontal a {

display: block;

font-size: 1em;

}

nav.horizontal a:visited, nav.horizontal a:link {

color: rgb(31, 73, 125);

}

nav.horizontal a:hover, nav.horizontal a:active {

background-color: rgb(31, 73, 125);

color: white;

}

/\* Main Menu Styles \*/

ul.mainmenu {

display: block;

}

ul.mainmenu > li {

text-indent: 15px;

}

ul.mainmenu > li:first-of-type a {

color: white;

background-color: rgb(31, 73, 125);

}

/\* Submenu Styles \*/

ul.submenu {

width: 100%;

background-color: rgb(181, 204, 136);

}

/\* Section Styles \*/

section {

background-color: rgb(211,211,211);

clear: both;

}

section::after {

content: "";

display: table;

clear: both;

}

#chief {

display: block;

margin-left: auto;

margin-right: auto;

margin-top: 30px;

width: 65%;

box-shadow: rgb(51, 51, 51) 10px 10px 10px;

}

#levels {

font-size: 25px;

text-align: center;

color: rgb(50,205,50);

padding-bottom: 15px;

padding-top: 50px;

}

#top {

text-align: center;

font-size: 14px;

margin-bottom: 10px;

}

/\* Article Styles \*/

article {

padding: 50px 10px 50px 10px;

margin-top: 20px;

margin-right: 5%;

width: 100%;

}

article h1 {

font-size: 25px;

text-align: center;

color: rgb(50,120,250);

padding-bottom: 15px;

padding-top: 50px;

}

article p {

line-height: 1.5em;

padding: 10px;

font-size: 16px;

}

#pictures {

display: block;

margin-left: auto;

margin-right: auto;

margin-top: 20px;

margin-bottom: 30px;

width: 50%;

box-shadow: rgb(51, 51, 51) 10px 10px 10px;

}

/\* List Styles \*/

#jackles {

line-height: 1.8em;

padding: 10px;

font-size: 16px;

margin-left: 20px;

}

#scarab {

line-height: 1.8em;

padding: 10px;

font-size: 16px;

margin-left: 20px;

}

#marines {

line-height: 1.8em;

padding: 10px;

font-size: 16px;

margin-left: 20px;

}

dd {

padding: 10px;

margin-left: 10px;

}

/\* Form Styles \*/

form#survey {

display: flex;

flex-flow: row wrap;

margin-bottom: 20px;

}

form#survey > fieldset {

background-color: rgb(135,206,250);

border-radius: 20px;

flex: 1 1 300px;

font-size: 1.2em;

padding: 10px;

margin: 10px;

}

div#buttons {

text-align: center;

width: 100%;

}

input[type='submit'], input[type='reset'] {

font-size: 1.2em;

padding: 5px;

margin: 15px;

}

/\* Footer Styles \*/

body > footer {

background-color: rgb(135,206,250);

font-size: 12px;

text-align: center;

padding: 20px;

}

/\* Pulldown Menu Styles \*/

ul.submenu {

display: none;

}

a.submenuTitle:hover+ul.submenu, ul.submenu:hover {

display: block;

}

/\* Mobile Styles: 0px to 480px \*/

@media only screen and (max-width: 480px) {

nav.horizontal a {

font-size: 1.5em;

line-height: 2.2em;

}

h1 {

line-height: 1.3em;

}

}

/\* Tablet Styles: 481px and greater \*/

@media only screen and (min-width: 481px) {

ul.mainmenu > li {

float: left;

position: relative;

width: 20%;

}

ul.submenu {

box-shadow: rgb(51, 51, 51) 5px 5px 15px;

position: absolute;

width: 200%;

}

}

/\*Desktop Styles: 769px and greater\*/

@media only screen and (min-width: 769px) {

ul.submenu {

background: transparent;

box-shadow: none;

display: block;

position: relative;

width: 100%;

}

nav.horizontal::after {

clear: both;

content: "";

display: table;

}

nav.horizontal a.submenuTitle {

display: none;

}

}

@charset "utf-8";

/\*

Tables Style Sheet

Author: Tyler Delger

Date: 02/28/2023

Filename: h3\_tables.css

\*/

/\* Table Styles \*/

table.unsc {

background: white;

border: 10px outset rgb(135,206,250);

border-collapse: collapse;

font-size: 0.75em;

width: 100%;

margin-top: 20px;

margin-bottom: 50px;

}

/\* Table Cell Styles \*/

table.unsc th, table.unsc td {

border: 1px solid rgb(135,120,250);

padding: 5px;

vertical-align: top;

}

table.unsc th {

font-size: 13px;

}

table.unsc td {

font-size: 12px;

line-height: 2em;

}

/\* Table Caption Styles \*/

table.unsc caption {

caption-side: top;

text-align: left;

font-size: 14px;

padding-bottom: 5px;

margin-left: 10px;

}

/\* Row Group Styles \*/

table.unsc thead {

background: rgb(135,206,250);

color: white;

font-size: 12px;

}

/\* Column Group Styles \*/

table.unsc thead tr {

height: 30px;

}

table.unsc tbody tr {

height: 40px;

@charset "utf-8";

/\* Basic styles to be used with all devices \*/

article, aside, figcaption, figure,

footer, header, main, nav, section {

display: block;

}

address, article, aside, blockquote, body, cite,

div, dl, dt, dd, em, figcaption, figure, footer,

h1, h2, h3, h4, h5, h6, header, html, img,

li, main, nav, nav a, ol, p, section, span, ul {

margin: 0;

padding: 0;

border: 0;

font-size: 100%;

vertical-align: baseline;

background: transparent;

-webkit-box-sizing: border-box;

-moz-box-sizing: border-box;

box-sizing: border-box;

}

/\*Default page element styles \*/

body {

line-height: 1.2em;

}

ul, ol {

list-style: none;

}

nav ul {

list-style: none;

list-style-image: none;

}

nav a {

text-decoration: none;

}