Clinton Street

MMP 210 Midterm Project Proposal

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Summary Description

My project is a web page that is a portrait of a three block section of Clinton Street, a street in the Lower East Side neighborhood of New York. This page combines text sections on the history of the area and information on local businesses, a short quiz, an interactive photo gallery of photos of the area, as well as a slideshow at the bottom of the page.

The text sections on history and local business will have links to expand or reduce content. The gallery will contain thumbnails of photographs of the street and a large image, with a caption describing the main photograph. There will be a slideshow of panoramas of the neighborhood.

A second page of the site will contain a Google Map of the area.

This neighborhood has changed greatly over the past 20 years, and like many other neighborhoods in New York, it continues to change on an almost daily basis. It is also a neighborhood that has a rich history which includes many different immigrant groups, and also a rich cultural history.

The color scheme for the page is muted, echoing the colors of the mostly reddish brick buildings in the area. A san-serif font seemed appropriate for this content, so body copy will be displayed in Verdana, while heads and subheads will be displayed in Arial. All of the images were photographed by me.

Audience

The audience for this page will include anyone who is interested in the history of the Lower East Side, as well as visitors wishing to learn more about the types of businesses on Clinton Street. The age range of viewers would be from early twenties on up to middle aged.

User Interaction

At the top of the page is a photo gallery. Users click a thumbnail of an image to display a larger version of that image, as well as a caption describing the photo.

The history and local businesses sections will have collapsible content, additional material will be displayed or hidden by clicking a link that toggles the content.

The quiz will use radio buttons to ask users about the type of food they like. Once a radio button is selected, the user can click a button that will display a restaurant recommendation.

The slideshow is currently not interactive, though I may add buttons to start and stop it later.

Pseudo code
This code is for the Home page.
```
Variables are declared
whichImage will be used in slideshow function set to 1
myImage is declared but not set, will be used in slideshow
refers to img element
captions is declared but not set, will be used in slideshow
refers to p element that will hold captions

array slideshowCaptions set to string values, captions for
slideshows
array galleryCaptions set to string values, captions for
slideshows

create function swapPhoto that controls which image is displayed
in gallery. Invoked when user clicks thumbnail
    variable  num stores a slice of the id of the thumb clicked,
    the number
```

variable displayedCaption gets element where caption for gallery will show

variable displayedImage gets element where image will be shown

set innerHTML of displayedCaption to item at index num minus 1 (arrays are zero based but our images start with the number 1);

set src of displayedImage to path that concatenates string with num variable

create function **toggleDiv** with one parameter that is the targetId of div to be displayed when user clicks link

create variable target that gets element passed in

if targeted div display style is block

make the display style none so can't see div

else

make the display style block

create function **handleRadio** that will check to see which radio button has been selected and display text in a div when a button has been clicked

for loop checks through the items named food in the form named myForm to see which item has been checked

variable radioVal stores that value

variable restaurantName declared

variable foodSelection pulls out element where sentence will be displayed

if radioVal is equal to Italian restaurantName set to "Frankies Sputino"

else if radioVal is equal to Dominican restaurantName set to "Cibao"

else if radioVal is equal to Chinese restaurantName set to "Prosperity Dumpling"
else if radioVal is equal to American restaurantName set to "Clinton Bakery"
else if radioVal is equal to Pizza restaurantName set to "San Marzano and Clinton Pizza"
foodSelection's innerHTML set to concatenated string with restaurantName

create function **slideshowStart** that is called by setInterval function
src of variable myImage set to concatenated string that includes the variable whichImage
innerHTML of captionS is set to an item in the slideshowCaptions array that has an index of whichImage – 1,(again because array is zero based and our first image is name pano_1.jpg)
if whichImage is less than 4
increase it by 1
else
set it back to 1 so it will keep looping

create function **init** that sets some initial values and conditions that will get invoked when window loads
variable button gets reference to element named button
onclick property of button set to handleRadio function

variable slideshow set to setInterval function which will call function slideshowStart every 2 seconds
myImage variable set to element with id of slideshowHolder
captionS variable set to element with id of captions

for loop is used to set the onclick property of the
thumbnails in the gallery to the swapPhoto function

onload property of window set to init function
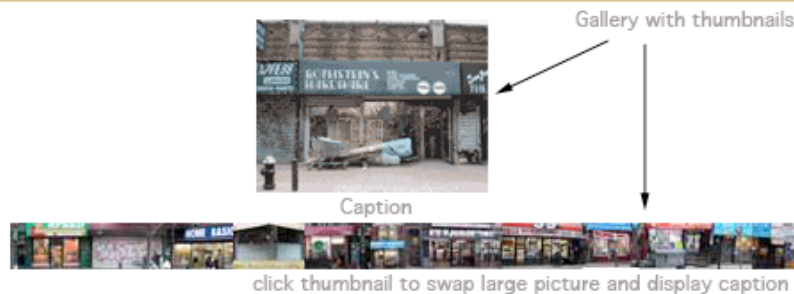
This code is for the Map page.

Declare map variable.
create function **showMap** that will create the Google Map
create Google LatLong object, giving it the latitude and
longitude as arguments
create a mapOptions object, setting zoom, center and Map
type properties

mapDiv variable set to the element with the id of map in
page

map variable set to new Google maps object that has
mapOptions and mapDiv as arguments

Clinton Street

Gallery with thumbnails

Caption

click thumbnail to swap large picture and display caption

History

Click link to show more info

Some information about the history of the street will be in here in a collapsible div.

Collapsible content here

Businesses

Click link to show more info

Some information about business on the street will be in here in a collapsible div.

Collapsible content here

Quiz

A couple of questions about the neighborhood will be here.

Quiz here

Click button to process quiz answers and display information

Click

Quiz answers here

Results of quiz will be displayed here when button is clicked.

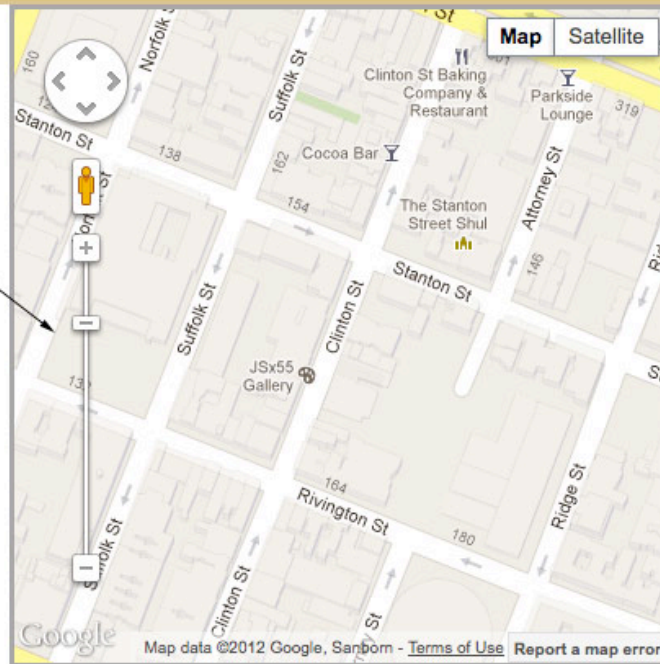Slideshow uses setInterval to change image every second. Captions are also updated.

Slideshow here

Caption

Clinton Street

Map created with
JavaScript using
Google Map API

Map of Clinton St.