There will be three primary site formats:

* MAIN PAGE, or “Index”;
* INDIVIDUAL HIKE SITE – without Google map indicating hike taken;
* INDIVIDUAL HIKE SITE – with Google map indicating hike taken.

WEBSITE DIRECTORY STRUCTURE:

The website implementation will be placed into a single top-level directory, (option: named “kteha”). The main web page is identified as ‘index.html’. This design spec will also reside in this (top-level) directory.

The following sub-directories are defined:

* *gpsv*: contains GPSVinput.tsv files for hikes with Google geo-maps; each file shall have a name indicating the corresponding hike. These will be used by javascript to extract Flickr names, descriptions, dates, etc. for photos used on site pages.
* *images*: any images not provided by the Flickr website;
* *scripts*: all site javascript files;
* *pages*: all the web site pages for each hike listed in index.html. Each page will be labeled ‘<hikename>.html’
* *styles*: all site style sheets; at this point there are two style sheets for the ‘pages’, one for pages w/geo-maps and one for pages w/o geo-maps. The style for index.html is ‘main.css’.
* *maps*: all html geo-map files with names indicating the corresponding hike and whether or not track/marker lists are provided (i.e. each hike will have two html files);
* *tools*: place where tools are placed which help in the process of making site pages.

MAIN PAGE:

The following sections will appear in the order given:

The <head> element shall contain (at a minimum) the following:

1. Window frame title or tab title: kteha?”

a. <title>kteha?</title>

b . The following <meta> information shall be supplied:

* *charset*=”utf-8”
* *name*=”description” *content* =”Listing of hikes the authors have undertaken in New Mexico”
* *http-equiv*=”author” *content*=”Tom Sandberg and Ken Cowles”
* *robots*=”nofollow”

1. Links to style sheets, including 960-grid style: *960\_16\_col.*css; and main page style: *main.css*

The <body> element shall contain the following:

1. A div element with container w/ *class*="container\_16 clearfix" (this aligns everything for grid implementation) which encompasses everything in the body;
2. Logo (or Image) and Banner, where the <p> element containing the banner has *id*=”banner”;

*All elements from this point on will include grid alignment classes:*

1. A div element containing the Introduction, with *id*=”intro”;
2. A <p> element with a description of the features to be expected by the reader of the site; *id*=”features”;
3. A button for the user to click if wishing to convert units to MKS, or to English if already shown in MKS.
4. A table listing of all the site pages corresponding to hikes with the following information:
   1. Location of hike (by vicinity – e.g. “Santa Fe: West”)
   2. Hike or Trail Name
   3. Length of hike (hike taken, if shorter than hike available)
   4. Elevation change of hike during the length traversed
   5. Relative difficulty (authors’ discrimination)
   6. Link to album(s) containing pictures from hike
   7. Link to website page with hike details:
      1. Trail description: relative rating of difficulty (subjective, but should align with popular hiking apps and books); description of what will be seen; approximate length of hike, general condition of trail, if trail exists.
      2. General travel directions for accessing the trailhead, or pointer to such directions in hiking reference(s), or a link to a map if user desires to deduce own directions.
      3. Details on how to proceed along the hike, or on specifically

locating the trailhead, if needed.

* + 1. Any noteworthy deviations found from referenced books or hiking apps.
    2. Link(s) to additional information on other websites, relevant to hike (e.g. National Parks, historical contexts, etc.)
    3. Link(s) to the Flickr album(s) corresponding to the hike.

The column headers of the table provide ascending or descending sort capability by merely clicking on the header. If unsorted, clicking will sort in ascending order, after that clicking will alternate between ascending and descending order.

1. A <p> element with *id*=”closer” to serve as a footer with contact information
2. Script which includes the current version of the jQuery library;
3. Javascript file for the page.

HIKE WITHOUT iFrame MAP: (differ from following only in applied style, as there will be no ‘iframe’ in the web page. Style sheet for non-iframe pages is ‘*plnks.css’*)

HIKE WITH iFrame MAP:

1. Window frame title or tab title: “SHORT HIKE REF HERE”

The <head> element shall contain the following:

1. a. <title>“SHORT HIKE REF HERE”</title>

b . The following <meta> information shall be supplied:

* *charset*=”utf-8”
* *name*=”description” *content*=(very short description of hike)
* *http-equiv*=”author” *content*=”Tom Sandberg and Ken Cowles”
* *robots*=”nofollow”

1. Links to style sheets for “whole” hike sites: *wlnks.css*
2. Script which specifies current jQuery library (required at this point in the code in order to pre-load javascript for later execution)
3. Script for page
4. The body element shall contain the following:
   1. A div element with a *class*=”bodyBox” to define body’s containing box characteristics (in CSS)
   2. A <p> element with an *id*=”page\_title” to hold a banner with the full name of the hike (CSS specifies banner style)
   3. One or more rows of pictures (and a single corresponding iframe map) from the hike, each of which will have a have a corresponding entry in a Flickr album, and a caption, supplied by the corresponding Flickr album’s “description” property, preceded by a date in the following format:

Mon day, year: (e.g. Feb 9, 2013: )

*(NOTE: these will be automatically generated by the page javascript)*

The pictures, depending on the author’s choice, will range from a

single photo to no more than (five – arbitrary number to keep page from becoming a mass of photos). The last row of pictures will

also include an iframe containing a geo-map created by the GPSVisualizer website, which will not include track or marker lists. When the iframe is clicked on by the user, a new website will appear with a full-size geo-map which does contain track and/or marker lists.

Each row of pictures (and possibly iframe) will not exceed (three? keep the photos from becoming too small) images.

Currently, in order to size and align photos (and iframe) properly, the ‘tools’ directory will contain photo-row creation elements which automatically create the html to be included in the web page. This is a one-time process for each page. Row heights, pictures, visualizer inputs, etc are specified by the creator, and the html output can be directly cut and pasted into the web page. Styles provide borders and alignments.

* 1. A div element which contains detailed information about the hike, as listed above in ‘Main Page, 7.g’ .