

Continents of The World website

Introduction

In this lab you will create a small website comprising a number of pages. The purpose of the site is to present information about each of the world's seven continents.

The initial site that is created in this lab will have some summary information for each continent plus details of the continent's five largest countries by population and size.

The site will be developed further in other labs on the course.

Note that the specifications that follow only relate to content and functionality. If you wish to apply any styling you may incorporate an internal CSS style sheet for each page but note that this may well be superseded in later labs.

File locations

All files for this site should be saved in a directory (folder) on your desktop named:

`~/Desktop/rocketu/labs/lab1`

Notes:

- In all documentation we use a forward slash '/' character as the path separator but Windows users should replace this with the backslash '\' character.
- The tilde '~' character is conventionally used to indicate a user's home directory (folder) - for example on a Mac this would be something like:

`/Users/nickroper`

and on a Windows PC:

`C:\Users\nickroper`

(You will already have created the 'rocketu' folder in a previous module, so you just need to create the 'labs' and 'lab1' sub-folders)

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Requirements - Home Page

1. To begin with you should create a new HTML Document named 'index.html' in the new lab1 directory (folder). This will be the home page for the site.
2. A screenshot of how the page should appear is included as Appendix A to this document.
3. You should create a well formed HTML document that incorporates an HTML5 doctype and all key structural elements.
4. A meta element identify the page as using the UTF8 character set should be incorporated at the appropriate location in the document.
5. The title of the document should be set to 'Continents of the World - Home Page'
6. The first content item should be a level 1 heading
7. This is followed by a paragraph with text as shown in the appendix.
8. Next there should be a level 2 heading 'Introduction' followed by paragraphs as shown.
9. After the introduction heading and paragraphs there should be a level 4 heading 'Menu' followed by an unordered list of items where each item is the name of a continent in alphabetical order.
10. The text of each of the list items should be a link to another page on the site.
11. The file names for each of the links are the same as the continent name but with a '.html' file extension. Hyphens should be used where there is more than one word in the continent name and all file names should be saved in lower case. For example, the filename for the 'Asia' link should be 'asia.html' and for 'North America' it should be 'north-america.html'
12. At the bottom of the page there should be a final paragraph of text as shown. The words 'Wikipedia website' should be a clickable link to the home page of the Wikipedia site.

Lab 1: HTML-1

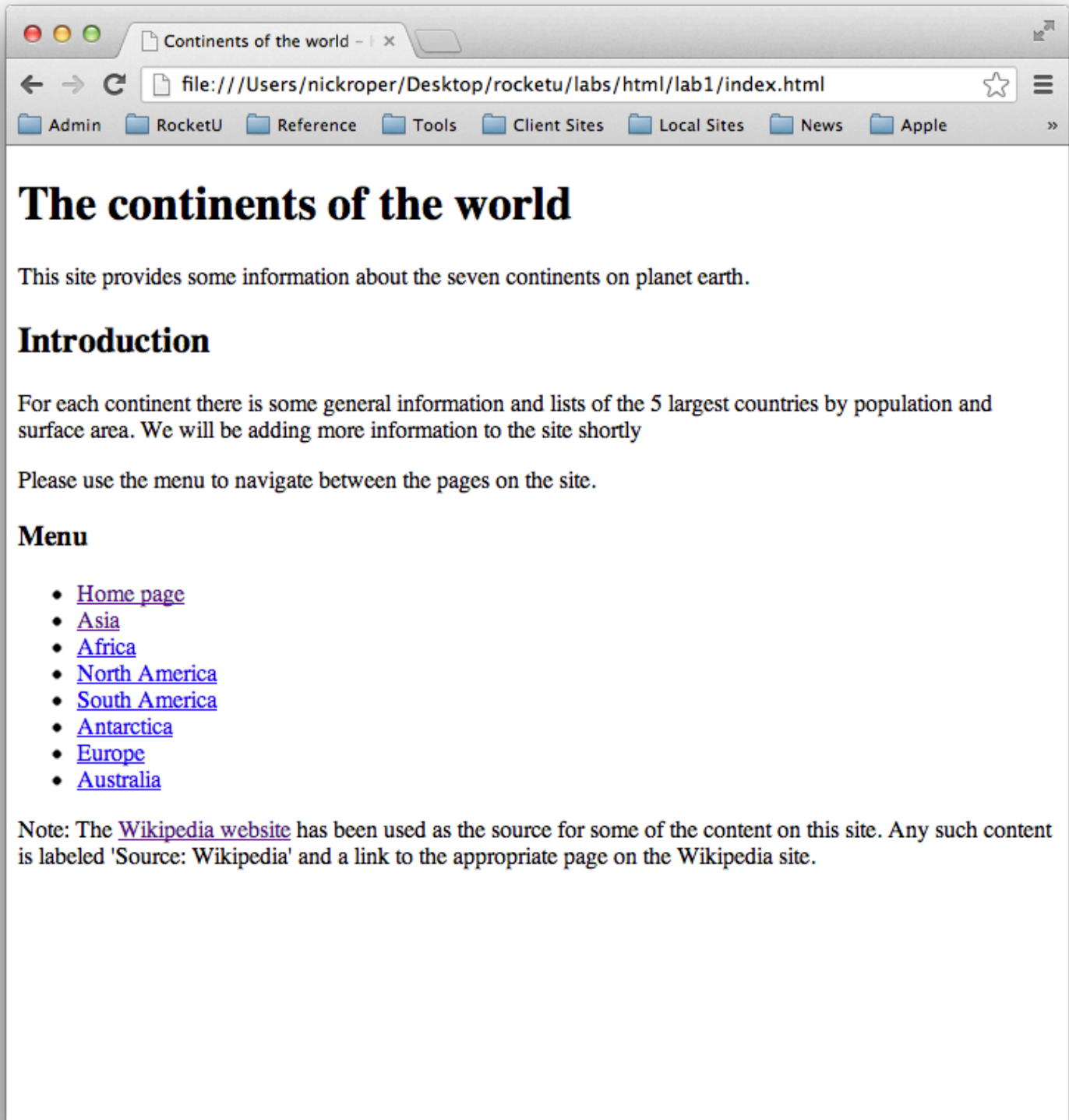
Continents of The World website - continued

Requirements - Continent Pages

1. Once you have finished the home page you should start to create the pages for each of the continents.
2. The recommended approach is to create and test a single continent page initially and then use it as a template for creating the other pages by copying its content and then modifying accordingly for each continent. This should minimize the need to make edits across multiple pages.
3. Each page should have a level 1 heading in the format 'Continents of the world - Asia'. Obviously you should edit the name of the continent accordingly.
4. Beneath this there should be a level 2 heading in the format 'Introduction to Asia' etc.
5. Next there should be some introductory content. You should copy the content from the appropriate page on the Wikipedia site. For example the content for Asia will come from the following URL:
<http://en.wikipedia.org/wiki/Asia>
6. Copy the content by highlight and copying from the page itself - don't copy the underlying source code.
7. Edit the text to remove any notations in square brackets and apply tags so that the text is arranged in paragraphs as on the Wikipedia site.
8. Beneath the text add a paragraph crediting the source to Wikipedia as shown. The word 'Wikipedia' should be a link to the page for the continent.
9. Next add a level 3 heading 'Largest countries by population (headcount)' and a paragraph with text as shown. This is followed by an ordered list of the five largest countries by population. You should also source this information from the same Wikipedia page by clicking the 'Political Geography' link in the page's 'Contents' menu. This displays a table of data which can be sorted by each of the columns by using the up/down arrow symbols to the right of the column's name (see Appendix C). This should be followed by a link to Wikipedia as before but the link should take the user to the table of data on the continent's page.
10. Add another level 3 heading with a paragraph and list for the five largest countries by surface area as shown in the example.
11. Complete the page by replicating the level 4 heading and list of links from the home page.
12. Once you are happy with the page, create similar pages for each of the other continents.

Continents of The World website - continued

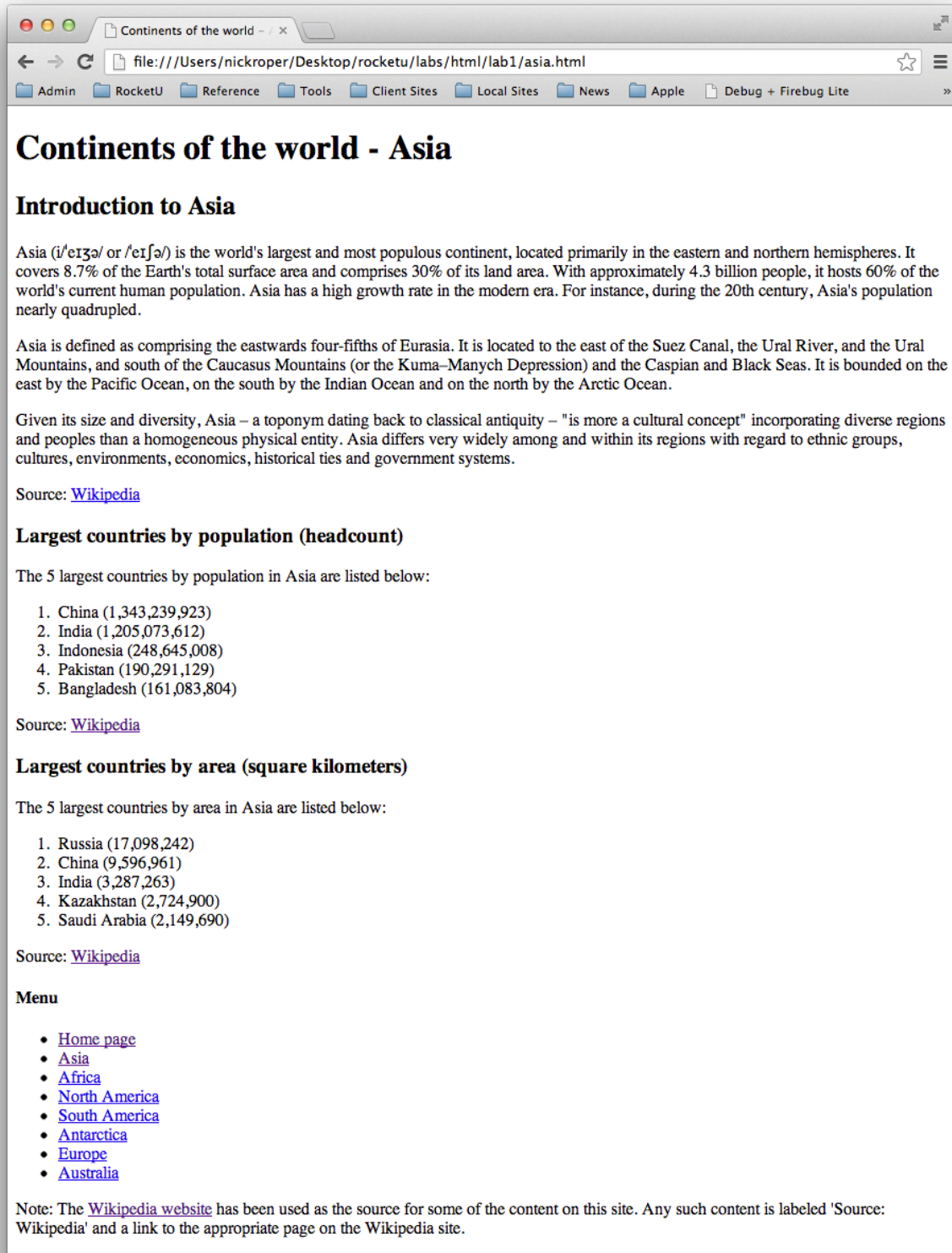
Appendix A - Home Page Example



Lab 1: HTML-1

Continents of The World website - continued

Appendix B - Continent Page Example



Lab 1: HTML-1

Continents of The World website - continued

Appendix C - Population and Area data

Political geography

Main article: [Politics of Asia](#)

See also: [List of sovereign states and dependent territories in Asia](#)

Flag	Arms	Name ↕	Population ↕	Area (km ²) ▾	Capital ↕
		Russia	142,517,670	17,098,242	Moscow
		China (PRC)	1,343,239,923	9,596,961	Beijing
		India	1,205,073,612	3,287,263	New Delhi
		Kazakhstan	17,522,010	2,724,900	Astana
		Saudi Arabia	26,534,504	2,149,690	Riyadh
		Indonesia	248,645,008	1,904,569	Jakarta
		Iran	78,868,711	1,648,195	Tehran
		Mongolia	3,179,997	1,564,116	Ulaanbaatar
		Pakistan	190,291,129	796,095	Islamabad
		Turkey	79,749,461	783,562	Ankara
		Burma (Myanmar)	54,584,650	676,578	Naypyidaw
		Afghanistan	30,419,928	647,500	Kabul
		Yemen	24,771,809	527,968	Sana'a
		Thailand	67,091,089	513,120	Bangkok
		Turkmenistan	5,054,828	488,100	Ashgabat
		Uzbekistan	28,394,180	447,400	Tashkent
		Iraq	31,129,225	438,317	Baghdad
		Japan	127,368,088	377,915	Tokyo
		Vietnam	91,519,289	331,212	Hanoi
		Malaysia	29,179,952	329,847	Kuala Lumpur
		Oman	3,090,150	309,500	Muscat
		Philippines	92,337,852	300,000	Manila
		Laos	6,586,266	236,800	Vientiane

Click to sort