

CpSc 207 Project 2
Spring, 2016; Dr. Conlon

Create a Web page using bash and form CGI to simplify access to the CIA 1995 World Factbook. Allow your user to choose a nation and specific statistics from that nation to view.

- Countries start with *Afghanistan* and end with *Zimbabwe*.
- Note that country headings have the country name in all caps.
- Major subheadings take the form, “@<Country>:<SectionName>”.
- Subheadings start with a capital and end with a colon.
- Sub-subheadings are in lower case and end with a colon.

Create a Web page that presents the countries in a drop-down list, and subheadings and sub-subheadings as a table of checkboxes. Once the user selects the desired country and category, generate a page with the desired information, neatly formatted. If the user checks a subheading, all its sub-subheadings should be automatically checked. (If the user un-checks the subheading, it is the user's responsibility to clear any sub-subheading checks.)

Sample (partial) main page:

1995 CIA World Fact Book

Presented by
Michael P. Conlon, CpSc 207

Choose a nation:

Argentina ▾

Which information do you want?

Communications

Telephone system Radio Television

Defense Forces

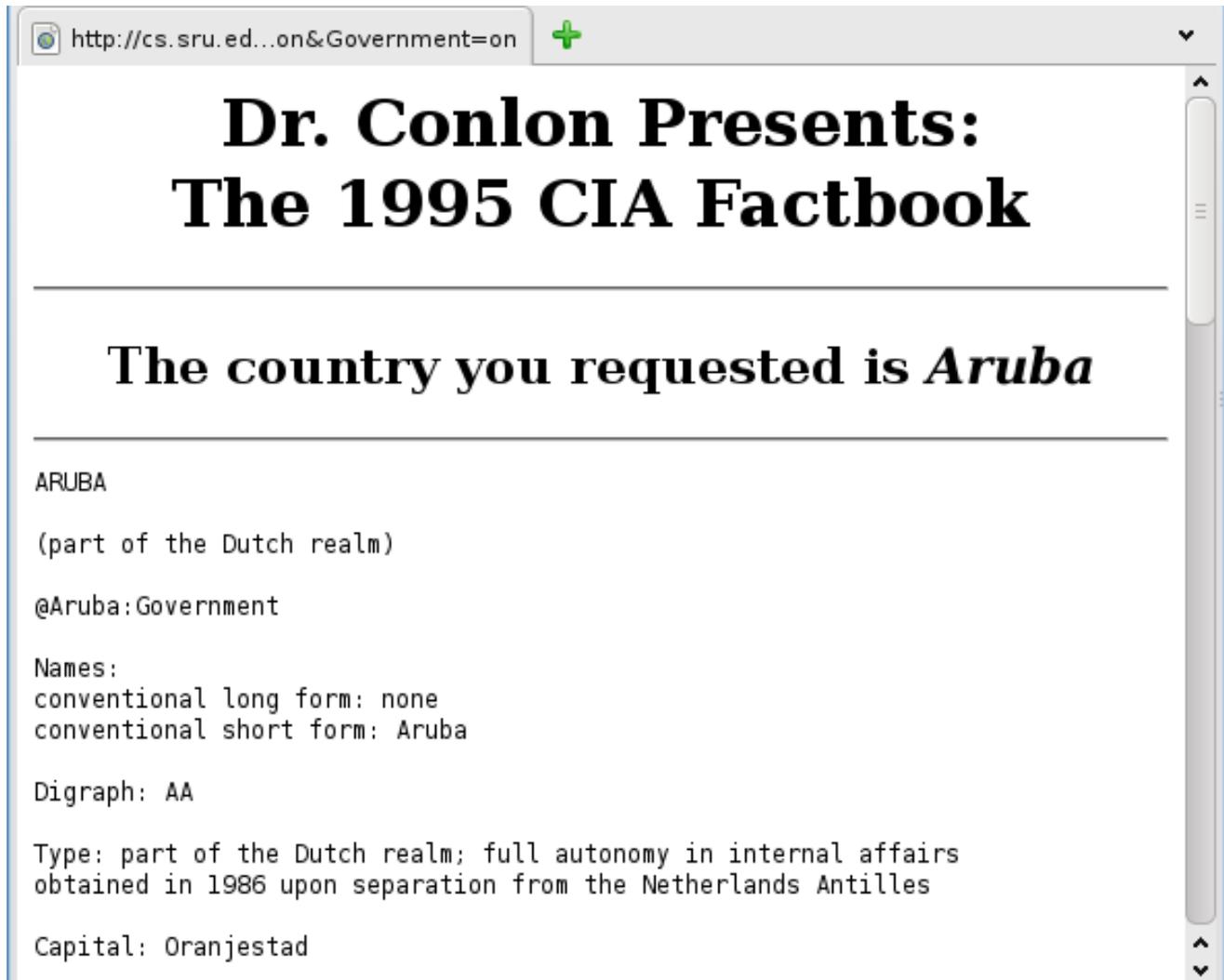
Branches Manpower availability Defense expenditures

Economy

<input type="checkbox"/> Overview	<input checked="" type="checkbox"/> National product	<input checked="" type="checkbox"/> National product real growth rate
<input type="checkbox"/> National product per capita	<input checked="" type="checkbox"/> Inflation rate	<input type="checkbox"/> Unemployment rate
<input type="checkbox"/> Budget	<input type="checkbox"/> Exports	<input type="checkbox"/> Imports
<input type="checkbox"/> External debt	<input type="checkbox"/> Industrial production	<input type="checkbox"/> Electricity

The nations' names and the subheadings must be extracted from the world95.txt file and not hardcoded into your html or script code. Your script(s) must not write any files.

Sample results page:



The screenshot shows a web browser window with the address bar containing `http://cs.sru.ed...on&Government=on`. The main content of the page is as follows:

Dr. Conlon Presents: The 1995 CIA Factbook

The country you requested is *Aruba*

ARUBA

(part of the Dutch realm)

@Aruba:Government

Names:
conventional long form: none
conventional short form: Aruba

Digraph: AA

Type: part of the Dutch realm; full autonomy in internal affairs
obtained in 1986 upon separation from the Netherlands Antilles

Capital: Oranjestad

You are permitted to consult with others in this project. You may read others' code, but the code you submit must be your own, except for code supplied by the instructor.

Restrict code lines to 80 characters max. You will be penalized for wrapped lines. Include heading comments just after "#!", including your name, course, section, instructor's name, date of initiation, date of final edit and a brief description of the project. This header must appear in each file you create for this project. Comment your code and indent appropriately. Use *lpr* for printing your code.

Submit: printouts of all html and bash files, stapled at upper left, with rubric on top. Indicate the URL needed to access your Website. This project is due Thursday, April 20, by 4 p.m. Printouts must be handed to me or placed in my mailbox by that time. All project files must be online for access by that time.