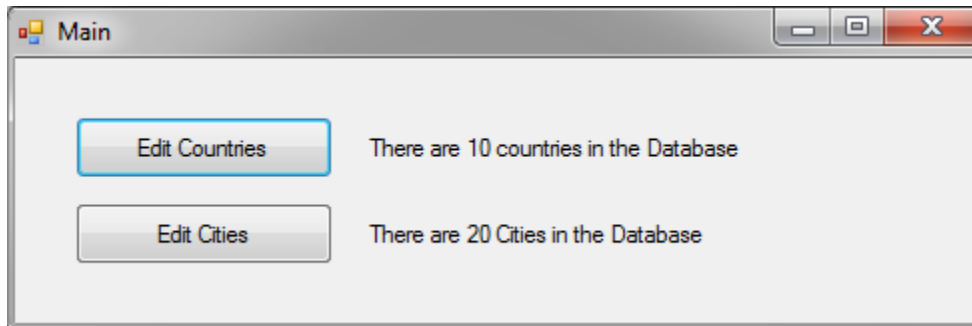


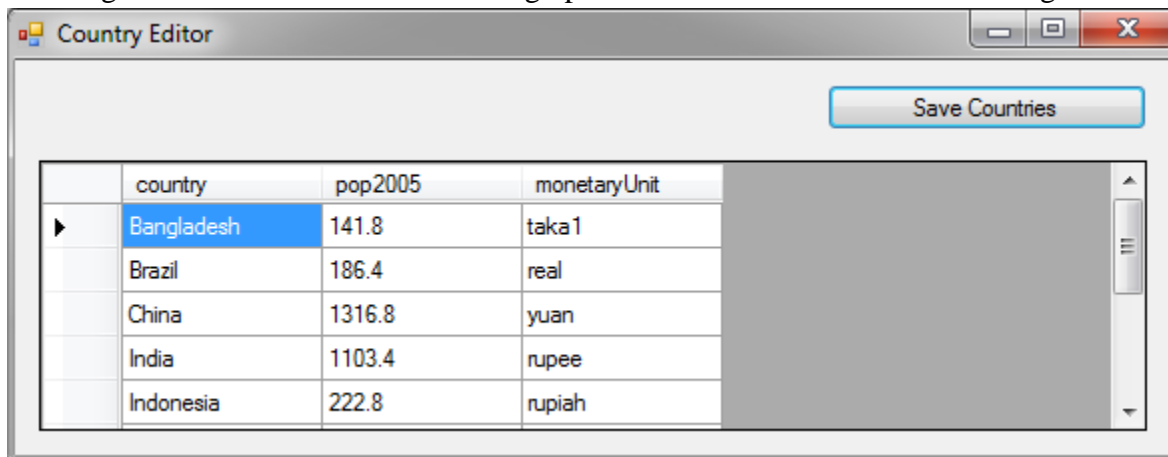
Assignment #5

In this assignment your employer is tasking you with the design of a simple interface to their Megacities Population database. The goal is to create a GUI to edit the contents of the database, both the Countries and Cities tables.

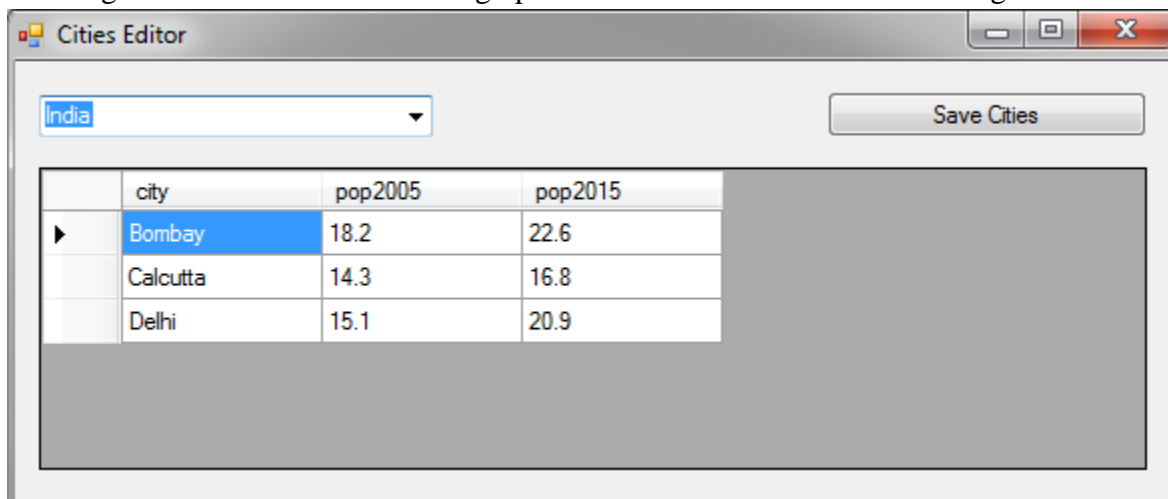
The interface should start with the following screen:



Clicking on 'Edit Countries' should bring up another form to allow for the editing Countries:



Clicking on 'Edit Cities' should bring up another form to allow for the editing Cities:



Requirements for 'Main' form:

- 1) It should display the number of countries and cities, calculated from the database and not hard-coded.
- 2) Clicking on either button should bring up a new form for either the country or cities, depending on which button was clicked.

Requirements for 'Countries Editor' form:

- 1) When the form is loaded, all country information should be loaded into a DataGridView.
- 2) The user should be able to edit and delete countries, *but not add* countries to the list.
- 3) Any changes which are made to the data are saved when the user clicks on the 'Save Countries' button.

Requirements for 'Cities Editor' form:

- 1) When the form is loaded, all countries should be loaded into a drop-down-list, as below. A single country should show up in the list only once.

pop2015	
22.6	
16.8	
20.9	

- 2) When the user selects a country from the drop-down list, the corresponding cities should be loaded into a DataGridView for editing.
- 3) The user should be able to edit and delete cities, *but not add* new cities to the list.
- 4) Any changes which are made to the data are saved when the user clicks on the 'Save Cities' button.

Marking Criteria:

- Use of the top-down design and structured programming: 10%
- Correct functionality: 50 %
- In-code documentation: 20%
- Pseudo-code: 20%