

Lab Sheet 10.7: Updating with DataGridView

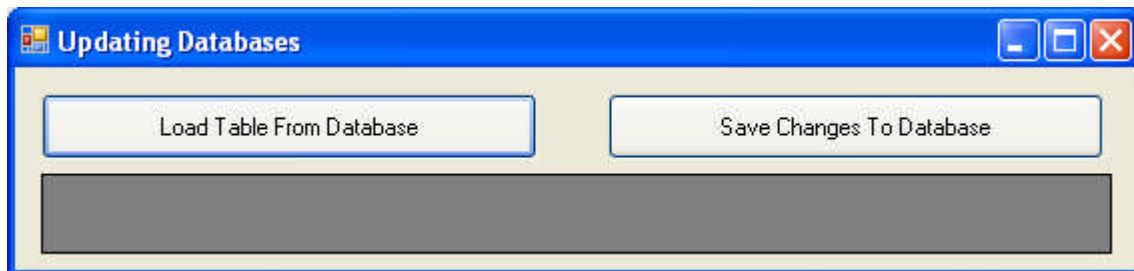
Editing database table with DataGridView

Instructions:

Textbook Chapter 10, page553-554

Requirement

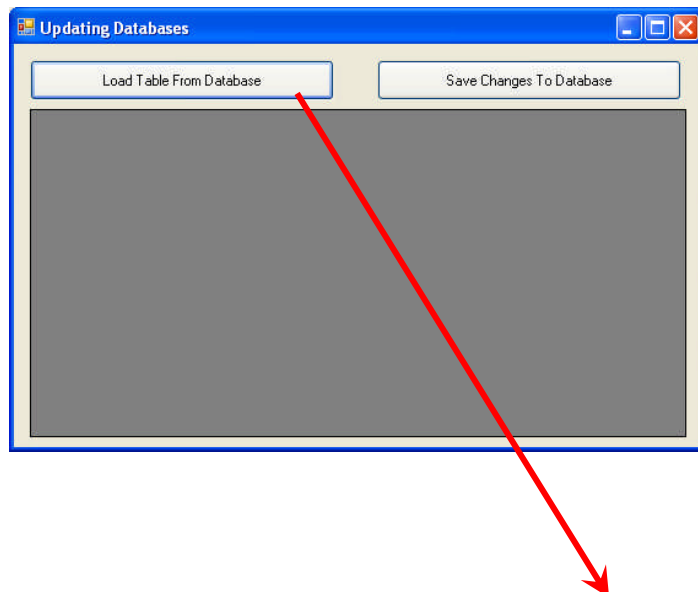
1. Create the interface as below:



Object	Property	Setting
frmCities	Text	Updating Database
btnLoad	Text	Load Table from Database
btnSave	Text	Save Changes to Database
dgvDisplay		

2. User Input

(a) Clicking the button btnLoad will display records



Updating Databases

Load Table From Database Save Changes To Database

	city	country	pop2005	pop2015
▶	Bombay	India	18.2	22.6
	Calcutta	India	14.3	16.8
	Delhi	India	15.1	20.9
	Dhaka	Bangladesh	12.4	17.9
	Jakarta	Indonesia	13	17.5
	Lagos	Nigeria	11	17
	Mexico City	Mexico	19	20.6
	New York	USA	18.5	19.7
	Sao Paulo	Brazil	18.2	20
	Tokyo	Japan	35.2	36.2
*				

2. Update database information

(a) edit a cell by clicking it

Updating Databases

Load Table From Database Save Changes To Database

	city	country	pop2005	pop2015
	Bombay	India	18.2	22.6
▶	Calcutta	India	14.3	16.8
	Delhi	India	15.1	20.9
	Dhaka	Bangladesh	12.4	17.9
	Jakarta	Indonesia	13	17.5
	Lagos	Nigeria	11	17
	Mexico City	Mexico	19	20.6
	New York	USA	18.5	19.7
	Sao Paulo	Brazil	18.2	20
	Tokyo	Japan	35.2	36.2
*				

Click the cell

(b) change the information of the cell

Updating Databases

Load Table From Database Save Changes To Database

	city	country	pop2005	pop2015
	Bombay	India	18.2	22.6
✎	Calcutta	India	99.9	16.8
	Delhi	India	15.1	20.9
	Dhaka	Bangladesh	12.4	17.9
	Jakarta	Indonesia	13	17.5
	Lagos	Nigeria	11	17
	Mexico City	Mexico	19	20.6
	New York	USA	18.5	19.7
	Sao Paulo	Brazil	18.2	20
	Tokyo	Japan	35.2	36.2
*				

Change information

(c) press btnSave to update the modified data into the database

Updating Databases

Load Table From Database Save Changes To Database

	city	country	pop2005	pop2015
	Bombay	India	18.2	22.6
	Calcutta	India	99.9	16.8
	Delhi	India	15.1	20.9
	Dhaka	Bangladesh	12.4	17.9
	Jakarta	Indonesia	13	17.5
	Lagos	Nigeria	11	17
	Mexico City	Mexico	19	20.6
	New York	USA	18.5	19.7
	Sao Paulo	Brazil	18.2	20
	Tokyo	Japan	35.2	36.2
*				

1.
Click to
Update
information

2.
Display dialog box
after updating

10-2-3

1 changed rows were stored in the database.

OK