There are several reason why I did not accomplish Task 4, but the main is:

For using mutex by way , showed in example:

using(await mutex.LockSection())

{

//critical code

},

mutex should implement System.IDisposable interface, because “using ” statement requires it for calling at the end brace. According to <http://msdn.microsoft.com/en-us/library/system.idisposable%28v=vs.110%29.aspx>

“The primary use of this interface is to release unmanaged resources”,

but my SyncMutex does not use unmanaged resources! So it becomes meaningless to do it by way showed in example.

I will be very grateful, if you send me your comment about this and figure out what a probable mistake I’ve done in my SyncMutex realization.