**Lab 5 report**

During this lab i learned a lot about queueing, namely about MSMQ.

My application was divided to a three core programs.

First one is the “gui”, actually, i modified standard .NET mvc template to meet my needs. Controller accepts input values from main page and puts task in queue to router.

Router waits until new task appears. When he gets, he looks for task purpose. It’s either factorization or Euler function. After that, task go to it’s own queues. Worker waits till new task appears and begin to work with it. If solution is found, he puts it to a solution queue.

Solutions then retrieved and written to a db on a web server.