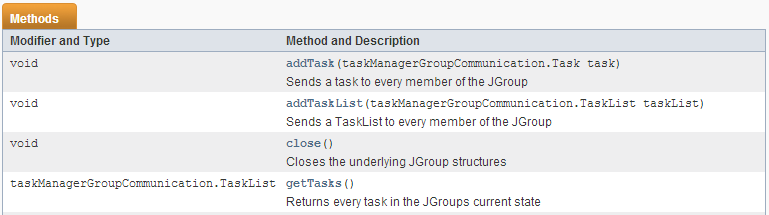
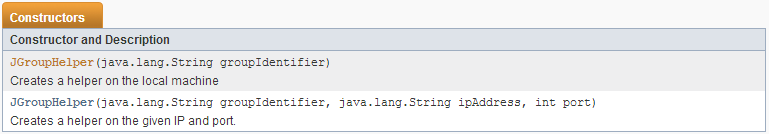


In this assignment we’ve made a TaskManager application, which utilizes some basic concepts of group communication.

We decided to model our application based on the proposed structure “TaskManager Application” from the assignment. This consists of three TaskManager clients, who handles synchronization by using the JGroups toolkit.

**JGroupHelper**We’ve implemented an abstraction over the JGroup toolkit in the form of a JGroupHelper class with only a few public methods as shown in the documentation below.  
This helper class makes it easy to implement and maintain new Task Manager Clients as these do not need to know anything about the specifics of the JGroups toolkit.



Inside the JGroupHelper we’ve implemented the JChannels receiver as a private inner class. We also make use of Raos ChannelHelper code snippet.