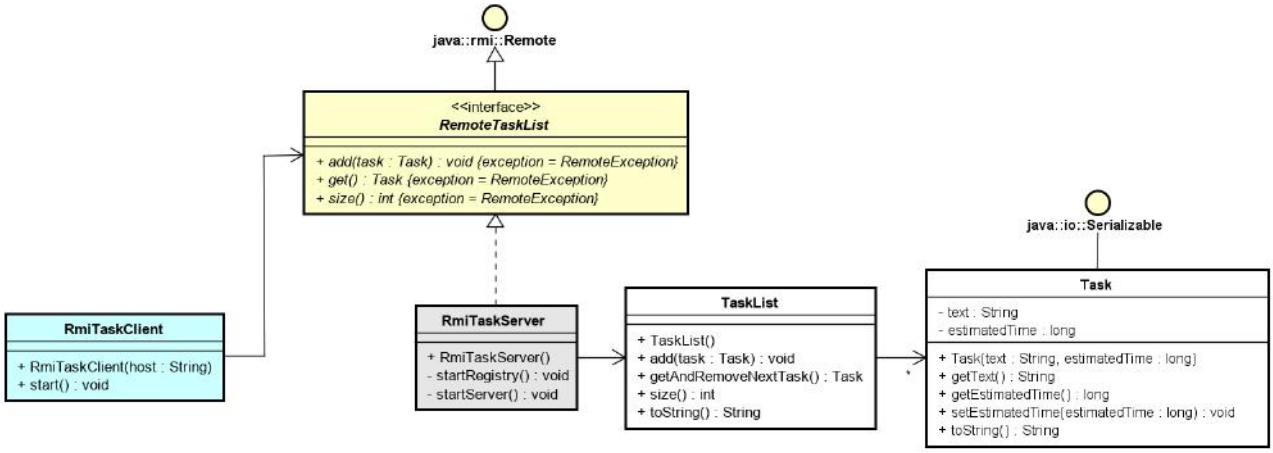
Exercise: RMI Task List

Implement an RMI system where the server has a task list (similar to the socket version from a previous exercise) and clients can add a task, get the next (first) task and get the size of the task list. *Note that class `Task` has to be `Serializable`.*



You should divide into client and server part, i.e. two modules in IntelliJ (server and client module). The server module contains everything except `RmiTaskClient` and a `Client` with a main method (not shown in the diagram) and the client module only contains this `Client` class, classes `RmiTaskClient` and `Task` and the interface `RemoteTaskList`. *Note: If you are using packages, then make sure that class Task is in the same package on both client and server, the same for interface RemoteTaskList.*

Use e.g. the following classes for `main` methods for server and client, respectively

Server.java

```
public class Server
{
   public static void main(String[] args) throws Exception
   {
      RemoteTaskList server = new RmiTaskServer();
   }
}
```

Client.java

```
import java.rmi.RemoteException;
public class Client
{
   public static void main(String[] args) throws RemoteException
   {
      String host = "localhost";
      if (args.length > 0)
      {
          host = args[0];
      }
      RmiTaskClient client = new RmiTaskClient(host);
      client.start();
   }
}
```