**Toll GIS Assignment**
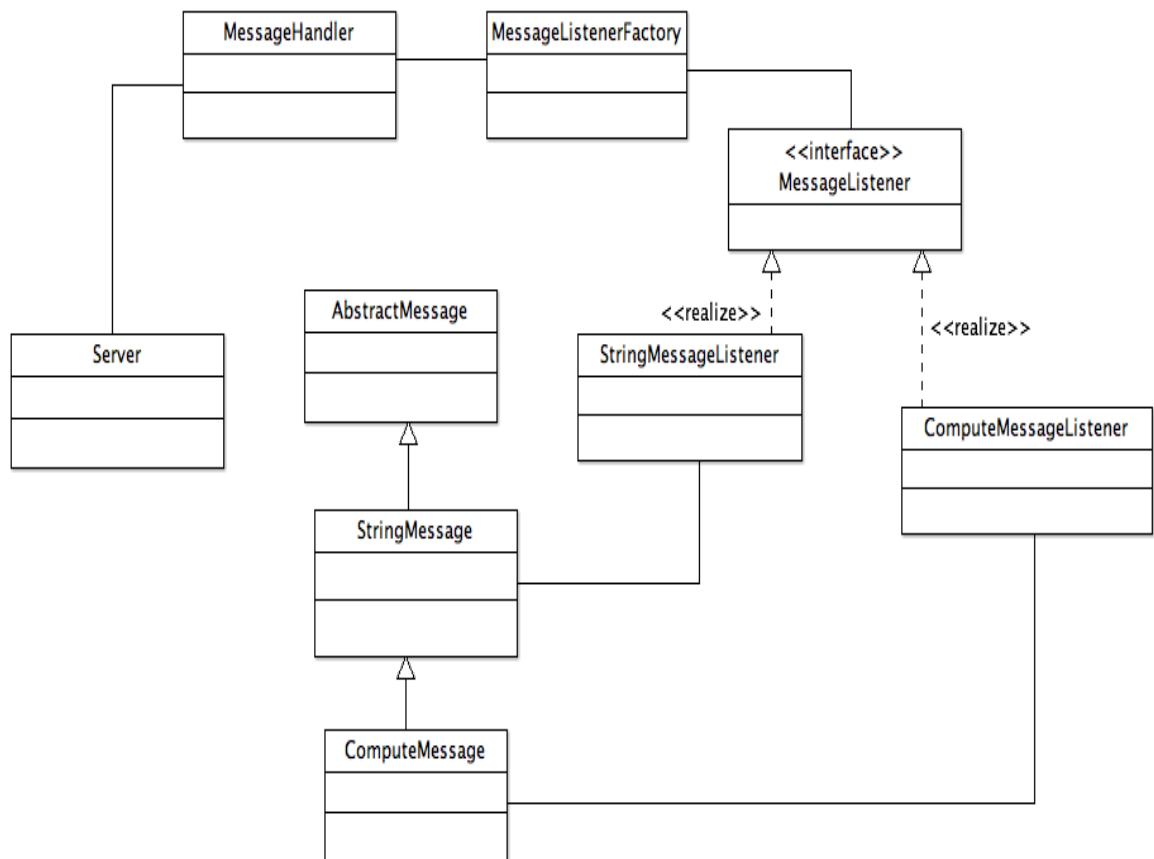
**Assumptions**

1. Server only accept the following input commands
   Say hello
   Say goodbye
   Sum <Num1>, <Num2>,<Num ..n.>
   0 for EXIT.
   Rest of the commands will not be accepted.
2. User inputs are not case sensitive.
3. Server must be started first prior to client.

**Design – Class Diagram**

**High Level Class Diagram – Server**

Following diagram illustrates the high level design of the server components. The goal of the design is to support the given requirement and develop an extendable model with a minimum effort.
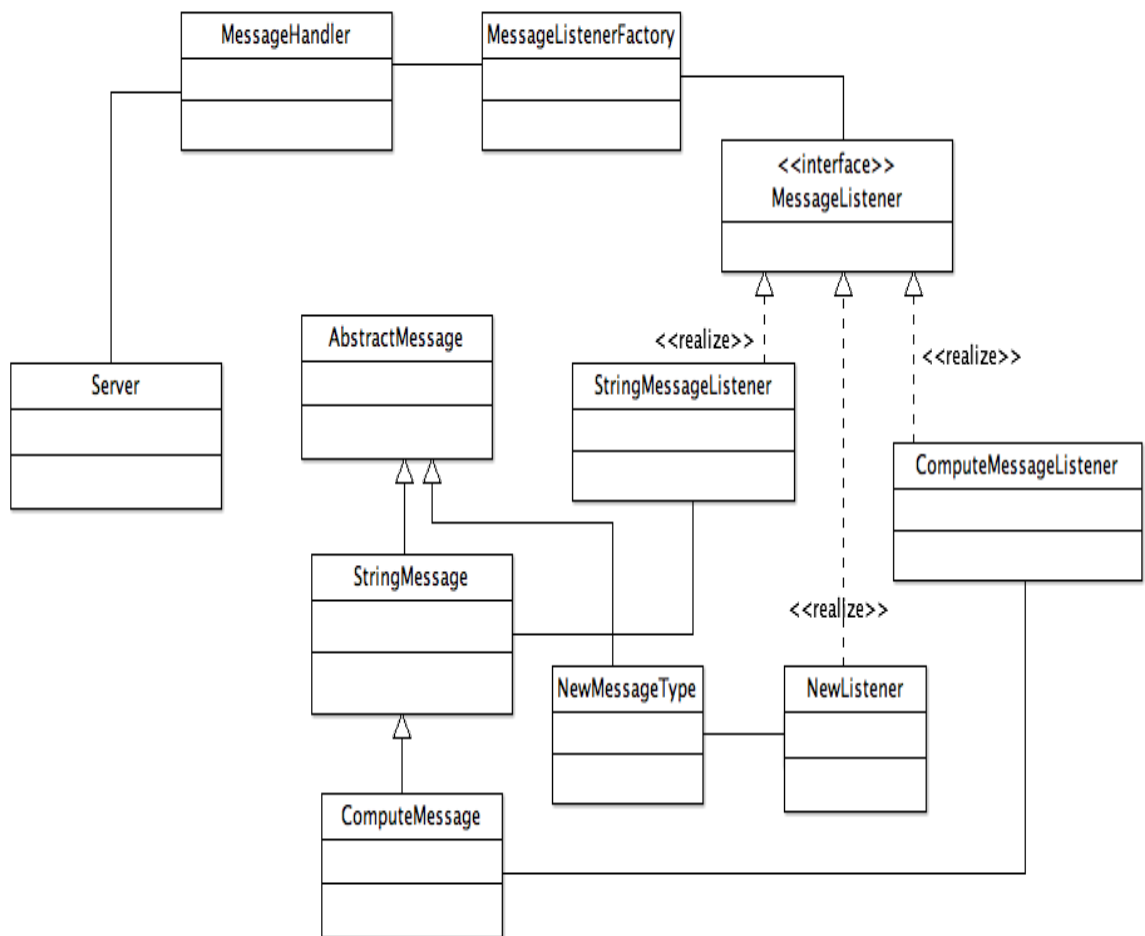
For example, if a new requirement comes with a new message type, that can be easily implemented by doing the following steps.

    Create the message class by extending the **AbstractMessage**.

    Create the implementation class by implementing the **MessageListener**.

    Register the message class and the Listener class in the serverConfig.properties file.

**Client Design (UI)**