

The goal of is to design an email server as web service. This web service receives requests from clients.

The main features of this mail server are:

- receive emails from writers,
- store them in mailboxes,
- send them on their request to the recipients.
- Delete messages read from a recipient

For example here are the two classes that you need to develop

```
package services.mail
```

```
package services.mail;
public class Message {
    String message="";
    String from;
    String to;
    boolean isNew;
    String Priority;
}
}
```

```
package services.mail;
import java.util.*;
public class MailServer{

public MailServer(){
    //initialisation des variables
}
}
```

```
public String sendMessage(String fromp, String top, String messagep){
    // créer un nouveau message
    // ajouter le dans la listes des messages du serveur
    return ("Message sent successfully");
}

public Message[] getMessages (String to){
    // récupérer, dans un tableau, les messages dont le destinataire est
    "to", il faut les marquer comme étant "lu"
    // envoyer le résultat au client
}
}
```

```
public String removeMessages (String to){
    int oldMessageNumber=0;
    // supprimer tous les messages marqué comme étant "lu" et dont le
    destinataire est "to"
    if(oldMessageNumber==0)
        return ("No old messages");
    else
        return ("Old messages removed successfully");
    }
}
```