Mini Project 1: WS and SOA

Objective: Practicing the implementation of Web Services and Communication Protocols.

Status: Programming project, group work (2-4 students in a group).

Grading: Up to (15 SP) for the development + (5 SP) for providing peer-grading/self-grading.

Project delivery: Peergrade

Task:

Imagine you work for a large international company that will hold an online GA (general assembly) meeting next month, which all company's stakeholders are welcome to attend.

Each participant needs to receive on mail a written personal invitation with a copy of the company's yearly report attached to it.

The invitation starts with the text: "Dear <title> <name>," and then continues with the facts about the meeting.

The <title> is one of the following:

- "Mr." – for male recipients
- "Ms." – for female recipients
- blank – for receivers with undefined gender.

Your dev team has the responsibility to automate the generation and distribution of the invitation.

As a prerequisite you get a list of names, mail addresses, and IP addresses of partners, as well as a copy of the message body and the attachment – a document with dummy content.

The gender information of the invitees is not provided, therefore your program must extract it from their names. You can use help from external sources, such as available public web services.

Note: Be aware that name's gender depends on person's country of origin/residence and can differ at different locations. For example, Kim and Andrea can be male names one place, female names another place, or unisex names at still other place.

Present a GitHub link to a reproducible solution, which involves the use of at least one SOAP and one REST services.

Explain briefly the solution in a readme.md file, stored together with the code.

Enjoy your work!

the instructor