

# Multi-Agent Systems

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## Exercise Sheet 0

*Important information:* You will be required to turn in your solutions to the theoretical and practical exercises in groups of **three to four students**. All submissions are made electronically via git. For optimal support, we strongly encourage you to use a current Linux-based operating system (e.g., Ubuntu). The aim of this first sheet is for you to form groups and setup your programming environment.

### Exercise 0.1 (Group registration, **due Wednesday**)

Send an e-mail to `engesser@cs.uni-freiburg.de` (until Wednesday) containing for each group member (1) the full name, and (2) a valid e-mail address. We will use this information to setup an account for each of you (on our gitlab-server) and create a submission repository for each group.

### Exercise 0.2 (Python setup, no submission)

For practical exercises, we will use a multi-agent framework written in Python 2, which will be continuously extended and updated during the semester. You will need current versions of Python 2, Pygame and Numpy to run it.

E.g., if you use Ubuntu, you can install them via:

```
$ sudo apt-get install python python-pygame python-numpy
```

To check whether your installation was successful, you can try the following commands in your Python 2 shell:

```
>>> import pygame
>>> import numpy
```

### Exercise 0.3 (Git installation, no submission)

Install git. E.g., if you use Ubuntu, you can install it via:

```
$ sudo apt-get install git
```

To check whether your installation was successful, you can try the following command in your shell:

```
$ git --version
```

More information on how to use git can be found at <https://git-scm.com/book/en/v2/Git-Basics-Getting-a-Git-Repository>.