Grundlagen der künstlichen Intelligenz
Programming Exercise CSP

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General Information - CSP

Start and Deadline

- **Start: 25.11.2021, 18:30**
- **Deadline: 24.12.2021, 23:59**

Framework:

- Publication and Submission of the exercise on **ARTEMIS** (`https://artemis.ase.in.tum.de/`)
- CSP Exercise description and guidelines on **Moodle**
- Implementation of your solution in provided **Jupyter Notebook**
- Successful submission $\rightarrow$ **1 Bonus Point**

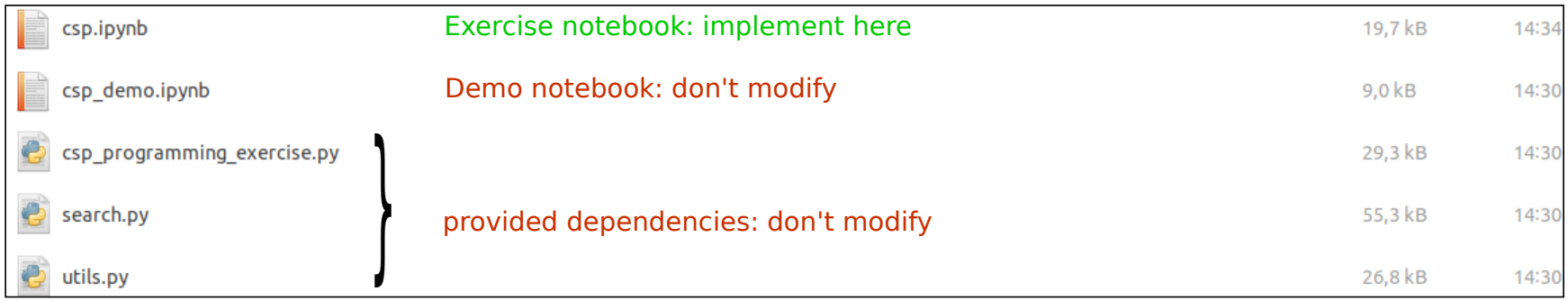
Programming Framework - General

- Programming Language: **Python**
- Work through **AIMA Installation Instructions** on Moodle and install
  - Anaconda
  - AIMA python code
  - Jupyter Notebook

ARTEMIS - Set up the exercise

In order to get started with the exercise do the following steps:

- Log into ARTEMIS with TUM Credentials → Find Course "Grundlagen der Künstlichen Intelligenz"
- Find Exercise "Constraint Satisfaction Problems" → click on "Start Exercise"
- Click on "Clone Repository" → Copy URL for personal repository
- Open Terminal and enter `git clone <personal_URL>`
- Exercise folder will be created

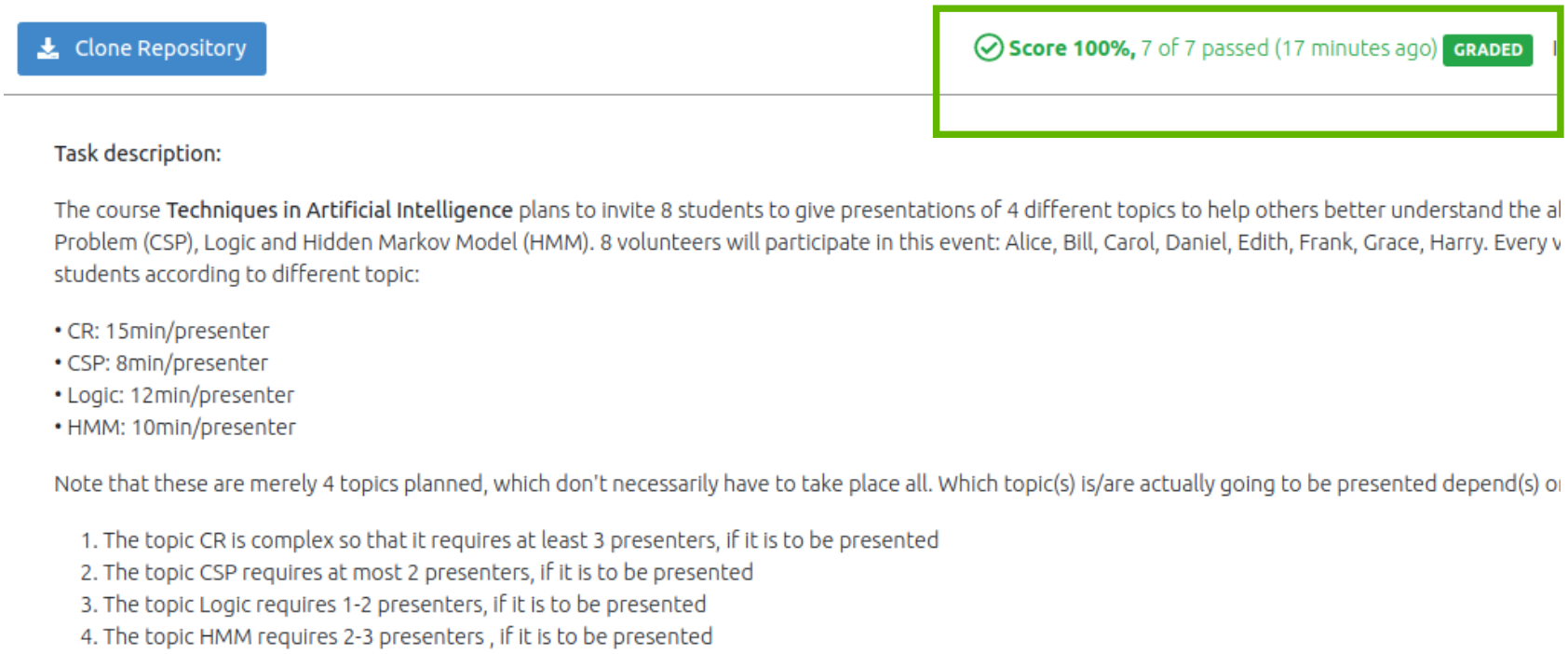


ARTEMIS - Implement and Submit Solution

1. Copy **all provided files** into rootfoler of AIMA repository (to avoid path issues)
2. Run **demo notebook** `csp_demo.ipynb` to understand the framework
3. **Implement your solution** in `csp.ipynb`
4. **Copy** `csp.ipynb` **back** to cloned repository
5. **Submit** to ARTEMIS in your Terminal via git:
   - `git add csp.ipynb`
   - `git commit -m "Custom message"`
   - `git push`
6. **Check evaluation** in ARTEMIS

ARTEMIS - Sucessful Submission

If **all 7 tests have passed** in ARTEMIS your submitted solution is correct.



Questions

For questions regarding the exercise and/or ARTEMIS use the corresponding forum on Moodle

Programming Exercises


General Information: Programming Exercises & Bonus


Forum - Programming Exercises