

DigiBP Group Project

Conditions and Assessment

1 Conditions

The group project is graded with a mark between 1 and 6 and counts 25 per cent of the overall module grade. The demonstrator (implemented workflow and microservices in Python), a presentation, and an online report will be assessed. This group project leads to a group grade. If a person's participation differs significantly from the group's contribution, the evaluators may provide a separate evaluation.

Students must work in teams (3-4, which can vary), which can be selected or may be assembled randomly. Teams **must digitalise processes** based on their **project idea** or a pre-defined project case. An own project idea is recommended and appreciated but must be approved by a lecturer.

Lecturers will do coaching during class hours, which involves constant feedback and problem-solving. The project work can be done during the project sessions (as indicated in the semester programme) within class hours.

2 Submission of Deliverables and Artefacts

The submission can be made by providing the links (URLs) to the deliverables in the corresponding Moodle course prior to the deadline by one group member. The names of the group work members must be clearly disclosed in the documentation. The **deadline** for submitting the deliverables is indicated in the Moodle LMS.

2.1 Deliverables and Artefacts

The following deliverables are mandatory:

- Link to GitHub **repositories** containing:
 - **Modelling and technical artefacts** (such as BPMN, Python microservices) and, if required, other **project artefacts** (such as configuration files, etc.)
 - **Documentation** about the project and processes (as GitHub markdown files (e.g., Readme and interlinked .md files))
- Link to a running **workflow(s)** and **microservice instantiation(s)**:
 - Link to **start form(s)** and cloud-based **deployment(s)**
- Link to **presentation slides**

3 Presentation

During the semester (indicated in the semester plan), all teams must present their work in a presentation of 10 minutes. All team members must be involved somehow, but it is not required that all team members have equal speaking time; however, in the sense of teamwork, the teams should assign various tasks to all team members. The presentation of 10 minutes max can be designed as a pitch for potential investors.

4 Assessment

The group work project is graded with a mark between 1.0 and 6.0. The general criteria are the appropriate use of the tools, complexity of the solution, creativity, and grade of digitalisation showing the benefit of digitalisation. The grading of the project is based on the demonstrator, a presentation, and a report.

4.1 Grading Scale

The criteria are weighted. In each criterion, points can be awarded in the range from zero to five. The criteria points are weighted according to the criteria percentage and transferred to a range reflecting a total score of 100 points. The Swiss grading system defines the grading scale; 60 points are awarded a 4.0; 90 points will result in a 6.0.

4.2 Evaluation

The lecturers will do a joint assessment based on an evaluation sheet. The evaluation sheet (see Figure 1) lists the criteria and their corresponding weights, including what the coaches are looking for. There is no indication of the scope and coverage of the results. Students must motivate convincing why their project covers the identified key use cases, fulfils each criterion satisfactorily, and reflects the team's success factors.

Criteria	Things to look for	Weight
Scenario and Digitalisation Competences	The scenario is innovative, and user experience is addressed. Appropriate and adequate grade of digitalisation. Benefits of the digitalisation emphasized.	15%
Process Modelling and Automation	Processes are standard compliant and are reflecting conventions. Implementations realise the business processes and workflows are running.	20%
Service Implementation and Integration	Services are implemented appropriately in Python. Service integration is running and orchestration is appropriate.	20%
Human-centric interfaces	Human-centric interfaces are provided. Human tasks are managed.	10%
Artefacts	The artefacts are good quality and self-explanatory. Deployment and instantiation are running and available. Instantiation, solution, and results are reproducible.	10%
Documentation and Presentation	Logical structure and clarity of documentation. Graphical appearance of documentation. Clarity and good style of presentation. The students are convincing and competent.	25%
Total Points (max. 100)		100%

Figure 1: Evaluation criteria (subject to change)