

Mid-term 360 degrees review

- Student form -

Dear student,

When you are halfway your graduation internship, it is a good moment to reflect on your progress. Ask your company mentor to fill in the form that you can also find in Canvas and discuss together. Also, fill in the form below to help you think about your progress, and submit both forms (evaluation company mentor, and from yourself) in Canvas. Your graduation teachers will review and also give their view on the progress and will give feedback, feedforward and feedup. If you, the company mentor or your teacher judges to be helpful or necessary plan a meeting to further discuss with the three of you.

In the form on the next page, describe for each learning outcome on which level of progress you think you are working, and give substantiation your ideas how to further work on it. By the end of the semester, all learning outcomes should be at least on proficient level. We recognize the following levels:

Label	Description
Undefined	You have not yet undertaken activities to demonstrate the learning outcome.
Orienting	You have made a start and explored the possibilities to demonstrate the learning outcome.
Beginning	You have taken the first steps and carried them out which contribute to demonstrating the learning outcome.
Proficient	You have demonstrated the learning outcome several times. You will demonstrate the learning outcome at a sufficient level, if the development continues in this way.
Advanced	You have shown several times to work on this learning outcome with good results. You have performed above expectations and have focused on continuous improvement. You will demonstrate the learning outcome at a more than sufficient level, if the development continues in this way.

At the end of this document you find a clarification on the learning outcomes.

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Graduation Profile	Software Engineering / Artificial Intelligence
Date	22-04-2025
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	Learning Outcome	Level* (U, O, B, P, A)	Feedback
1	Professional Duties	B	I know what my deliverables are, I just haven't finished them. Since my deliverables aren't done and delivered yet, I cannot give myself a proficient grading on this LO. Therefore I grade myself <i>Beginning</i>
2	Situation-Orientation	B/P	I am able to come up with creative solutions for obscure problems (mainly automated video editing). I am able to apply coding principles I have learned over the years, if there is anything holding me back from grading myself proficient, it's that we don't fully work in sprints yet. Yes we have two weekly standups with the company mentor and sometimes a review with the stakeholders but should all be more structured. But it's also hard for me since till this point a lot was still unclear to me but from now on it should be doable to follow a stricter agile way of working.
3	Professional Standards	B	My research documents are not all fully done yet. I am researching using the DOT-framework which is expected by school. For the reason that my research documents aren't done yet I will grade myself <i>Beginning</i> but other than that It is looking well.
4	Personal Leadership	B/P	I do actively seek feedback from my company mentor, accessor, stakeholders and other people that are part of the project organisation. I can set and achieve personal goals, for example set certain tasks for myself fort his week which I can then accomplish. If there is something holding my back from confidently saying that I am proficient in this LO, then it is the fact that my planning has been quite vague most of the time, lately it has been a bit better since it's becoming more clear what to do. But from now of on that should improve even more.

*Choose from **U**ndefined, **O**rienting, **B**eginning, **P**roficient, **A**dvanced

Appendix: Explanation about the learning outcomes

1. Professional Duties

You carry out professional duties at a bachelor level, producing professional-grade work aligned with the IT subdomain (IT-area) you are specialising in.

Clarification

Professional Duties - This encompasses the core professional activities and resultant products that form the foundation of your graduation portfolio. These activities and products typically follow the lifecycle stages of Analysis, Advice, Design, Realization, and Management & Control. Not all projects will cover these aspects equally or at the same level, but they are integral to the professional process.

Reference Points - To gauge the expected activities and products and their requisite level:

- Refer to the HBO-I domain description¹ for proficiency indicators at level 3 (Bachelor level).
- Review the level and types of products you created during the (advanced) semesters 6 and 7, especially those related to the IT subdomain of your graduation project.
- Consider the professional practice, expectations, and levels that align with current practices within your specific IT subdomain.

Portfolio Content - A significant portion of your portfolio will consist of professional products. The specific products will depend on the IT subdomain and the nature of your graduation project. These products should be easily recognizable as standard practice within your subdomain. For example, a software architecture is a common deliverable in full stack software development, so it should be included in your portfolio if your project is within this subdomain.

Architectural Layers - All IT subdomains relate to one or more of the five architectural layers described in the HBO-I domain description (User Interaction, Organizational Processes, Software, Hardware Interfacing, Infrastructure). Your activities and resulting professional products should align with the proficiency descriptions of these layers at level 3. It's common to mix layers in fields such as cybersecurity, web development, AI engineering, game development, smart industry and mobile development. You will demonstrate professional duties by effectively utilizing the appropriate mix of layers to meet the needs of your graduation project.

2. Situation-Orientation

You apply your previously acquired knowledge and skills in a new, authentic context to deliver valuable and relevant results for both the project and the company.

Clarification

¹ HBO-i Domeinbeschrijving 2023, HBO-I stichting, Amsterdam. [Domeinbeschrijving - HBO-i stichting](#)

Alignment of Skills and Project Needs - Ensure there is a clear match between the knowledge and skills you bring to the project and the project's requirements. These skills and knowledge should align with level 3 of the HBO-I domain description.

Adaptation to Context - Apply your previously acquired knowledge and skills within the project's specific context. This means adapting to the company's processes, ways of working, and the standards expected in the IT subdomain.

Relevance and Value Creation - Your activities and products must be relevant to the project's stakeholders and users, creating tangible value.

Demonstrating Added Value - Make an effort to show, prove, and monitor the added value of your project. This can be done through:

- Achieving a higher Technology or Social Readiness Level (TRL/SRL).
- Employing a validation-oriented methodology.
- Defining explicit value-creation objectives using the Design Challenge (William Newman 1995, 2003).

Methodological and Structured Work - Work in a methodical and structured manner, even when the approach and solution area are open-ended, involving multiple stakeholders and combining various IT areas. Your project, activities, and products should demonstrate contextual innovation and exploration.

3. Professional Standards

You take responsibility for solving an IT issue. You conduct research using a relevant method you select and advise your stakeholders in a complex and uncertain context. You substantiate future-oriented choices with ethical and sustainable arguments.

Clarification

Future-oriented - Apply situational awareness to future-oriented planning, both within and beyond the project:

- Develop and monitor a comprehensive project plan, covering research activities, strategy, planning, dependencies and quality.
- Identify long-term business justification and values relevant to stakeholders.
- Consider industry trends, sustainable development, and ethical factors in your decision-making, using tools like the Technology Impact Cycle Tool (TICT).

Solving an IT issue in a complex and uncertain context - Critically examine your project from various perspectives, identify problems/challenges or opportunities, find effective approaches, and develop appropriate solutions:

- Problem Identification and Analysis - Identify and address relevant issues throughout the project:
 - Initially, analyse the problem by:
 - Identifying stakeholders' problems or opportunities.
 - Defining the project scope and focus.
 - Formulating practice-based research questions (using the Design Challenge by William Newman).
 - During the project, address new problems and formulate detailed research questions.

- Use diverse research strategies, methods, and activities based on the DOT framework.
- Create valuable solutions using research results and validate them through testing, usability assessments, and conformity checks with stakeholders, experts, peers, or benchmarks

Involving stakeholders - Work constructively with stakeholders and communicate appropriately to achieve the desired impact:

- Ensure your communication is impactful and well-executed.
- Understand and address the interests of all project stakeholders.

4. Personal Leadership

You independently formulate goals and actions that demonstrate leadership in your own development as an IT professional in the long term. You demonstrate that you are able to carry out these actions and achieve your goals, or make adjustments if necessary.

Clarification

Leadership: - Take the lead in your projects, encompassing both planning and content. This means being proactive and taking ownership of your work.

Your own development - Reflect on your actions, seek and accept feedback, and explore further opportunities that arise from that feedback. Stay aware of your growth and development as an IT professional. Understand the role you envision in the IT landscape.

Carry out actions – Understand the role you play within a team and the project. This includes knowing your strengths, areas for improvement, and how you can contribute effectively to team dynamics and pro