

Student name	Nathanael William Biantoro
Student number	3785718
Graduation Profile	User Interaction
Date	26.04.3024
Assessors	Yuzong Lin Frank Roosen

Dear student,

Based upon the view that the assessors have on the progress of your graduation internship, and based upon the feedback from the company mentor and your own reflection this form is filled in. For each of the learning outcomes one of the following levels is indicated with additional substantiation.

Undefined: the student has not yet undertaken activities to demonstrate the learning outcome.

Orienting: the student has made a start and explored the possibilities to demonstrate the learning outcome.

Beginning: the student has taken the first steps and carried them out which contribute to demonstrating the learning outcome.

Proficient: the student has demonstrate the learning outcome several times. The student will demonstrate the learning outcome at a sufficient level, if the development continues in this way.

Advanced: the student has shown several times to work on this learning outcome with good results. The student has performed above expectations and has focused on continuous improvement. The student will demonstrate the learning outcome at a more than sufficient level, if the development continues in this way.

	Learning Outcome	Level* (U, B, P, A)	Substantiation/Feedback
1	Professional duties	B	<p>You have shown professionalism during the project, have analyzed the problem, investigate into the field, designed prototypes of a mobile applications that fits in the IT area. The product is with a sufficient professional level so far (information architecture, user stories, prototypes)</p> <p>Like to see more written reports</p>
2	Situation-Orientation	B	<p>Filed knowledge such as field study, user research, co-design, Design thinking methods have been applied during the project so far.</p> <p>The work is connected well with the needs of the company and different groups of users.</p> <p>Your approaches and solutions are well adapted into the company environment.</p> <p>Situations can vary and the scope can be very big.</p>
3	Future-Oriented Organisation	B	<p>Due to the complexity of the project (various users and goals) the scope have been decided based on the consideration of the time and costs.</p> <p>Many decision have been made, taking into accounts the business needs, current clients and situation. The research question needs to be adapted to be more solution oriented.</p> <p>The project plan is realistic after the adaptation. Be careful with the multiple products and specific target groups with various needs</p>

4	Investigative Problem Solving	B	<p>Filed research has been conducted to identify the real problem. DOT framework , CMD methods have been applied. User stories have been investigated and decided on the priority. Solutions of the design of multiple products have been proposed.</p> <p>Some more online research into the filed can be added. Pay more attention to the report and documentation of your process and decision making</p>
5	Personal Leadership	B	<p>You are working actively with colleague in the company , understood the project very well and are very ambient of what you want to achieve</p> <p>Please also take a bit more initiative in planning meetings and ask for more feedback on the process</p>
6	Targeted Interaction	B	<p>It's a challenging to have multiple groups of users in the real fields ,and you need to communicate with them more in the future in order to test your solutions and gather more insight</p> <p>Not only to work with development team, but also different restaurants, various customers , you need to make sure the interactions (mostly testing) can be done within the schedule and you can have more iterations</p>

*choose from **Undefined**, **Beginning**, **Proficient**, **Advanced**

Appendix: Explanation about the learning outcomes

1. Professional Duties: You carry out the professional duties on a bachelor level resulting in professional products in line with the IT-area you are working in.

Clarification:

- Professional duties on bachelor level = All or a subset of the activities Analysis, Design, Realize, Advise, Manage&Control on professional level. As a reference, 1) use the HBO-I framework¹ on proficiency level 3, 2) the level as required in OE6 or OE7 that relates to the IT field, 3) the expectation in the professional workfield related to IT field of the graduation project.
- Professional products: end products and other products as a result of the professional duties
- In line with the IT-area = You deliver professional products that are characteristic for the IT area of your project. E.g., a software architecture in full stack software development. On a general level the IT areas are defined by the 5 architectural layers of the HBO-I framework (User Interaction, Organizational Processes, Software, Hardware Interfacing, Infrastructure), or a more specific level as a subset or combination of the architecture layers (like cyber security or web development).

2. Situation-Orientation: You apply your previously acquired knowledge and skills in a new and authentic context to deliver relevant and valuable results for the project and company.

Clarification:

- Apply your previously acquired knowledge = You adapt to the processes and way of working of the company
- Relevant and valuable = Your work is relevant for one or more persons and creates value (e.g., in terms of upward TRL transition)
- New and authentic context = you work in a methodological and structured way in a context where approach and solution area are open, with multiple stakeholders and multiple IT areas combined.

3. Future-Oriented Organisation: You explore the organisational context of your project, make business, sustainable and ethical considerations and manage all aspects of the execution of the project.

Clarification:

- organisational context – you identify the business domain and stakeholders of the project and know its business legitimisation.
- business, sustainable and ethical factors – you take into consideration business, sustainable development and ethical aspects in your judgement process using standards or methods/tools (e.g. TICT).
- manage execution – you create a project plan and monitor your project including the research activities, time, money, risks and the quality of the solution which is valuable for the organisation.

4. Investigative Problem Solving: You take a critical look at your project from different perspectives, identify problems, find an effective approach and arrive at appropriate solutions.

Clarification:

- Identify problems - Throughout all phases of the project, initially by identifying the problem/opportunity of the client, defining the main scope of the project and formulating the related research questions, and during the project by identifying newly encountered problems/challenges and formulating more in-depth or detailed research questions.
- Different perspectives and effective approach – you use a variety of research strategies, methods and activities (reference: https://ictresearchmethods.nl/The_DOT_Framework) in a structured way in order to find justified answers to your research questions.
- Appropriate solutions – you use the results from your research to create valuable solutions and validate these with the relevant stakeholders.

¹ As described in: HBO-i Domeinbeschrijving 2018, HBO-I stichting, Amsterdam.

5. Personal Leadership: you are entrepreneurial around your projects and personal development, you pay attention to your own learning ability and keep in mind what kind of IT professional and/or what type of positions you aspire to.

Clarification:

- Entrepreneurial means that you take the lead in your own project, both planning as well as content wise.
- Paying attention to your own learning ability means that you can reflect on your own actions, ask and receive feedback on your actions and look for further opportunities and possibilities that flow from that feedback and that you are aware of your development as an IT professional.
- You know which role you envision in the IT-landscape and what role you play in a team.

6. Targeted Interaction: You determine which partners play a role in your project, collaborate constructively with them and communicate appropriately to achieve the desired impact.

Clarification:

- Communicate appropriately means that you make sure that your communication has the right impact and execution.
- Partners are the different stakeholders in the project to which you pay attention to and whose interest in the project are clear to you.