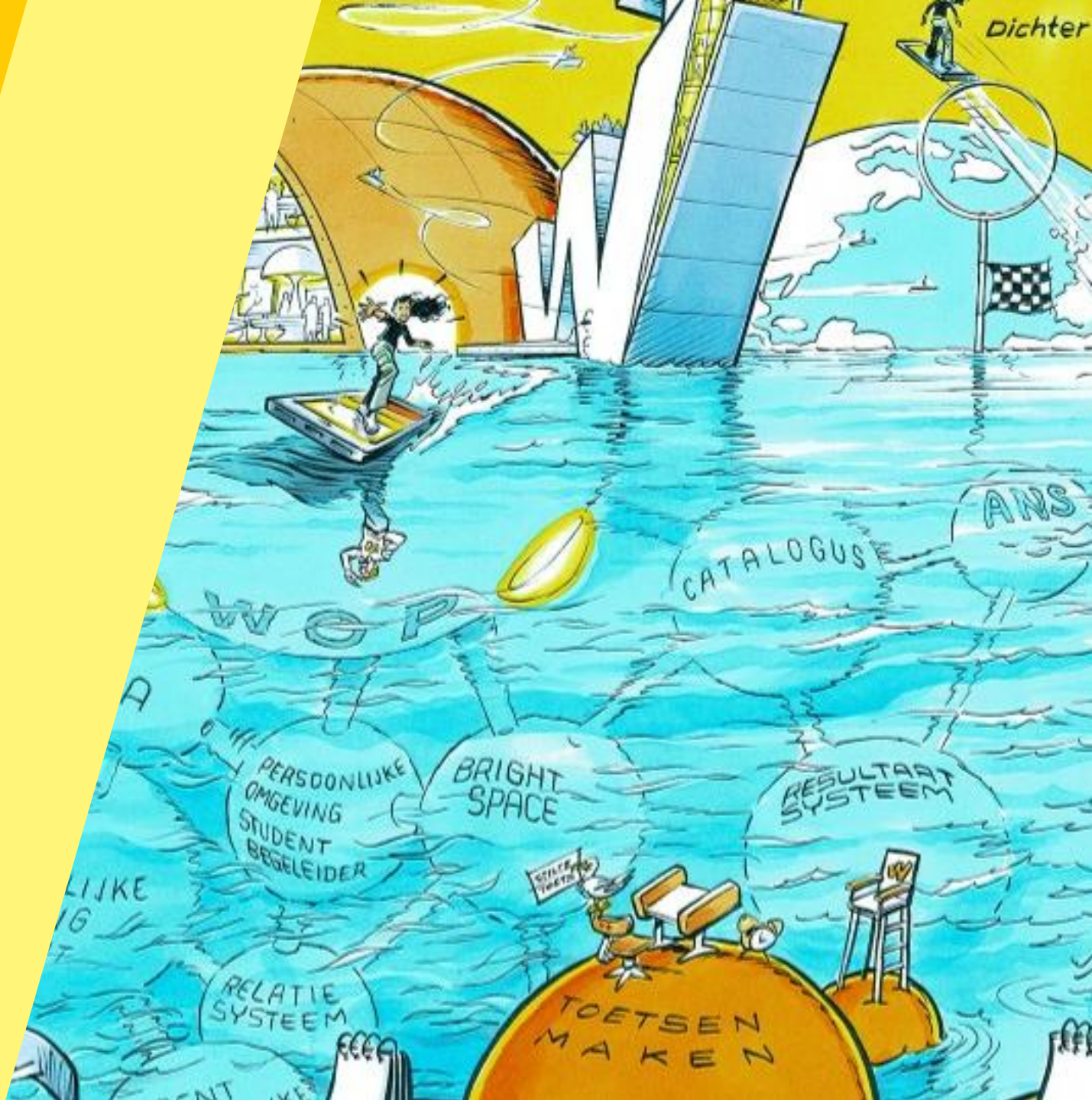
University of Applied Sciences Windesheim

Brightspace within the Windesheim student journey

Geert van der Wijk

Renée Visscher

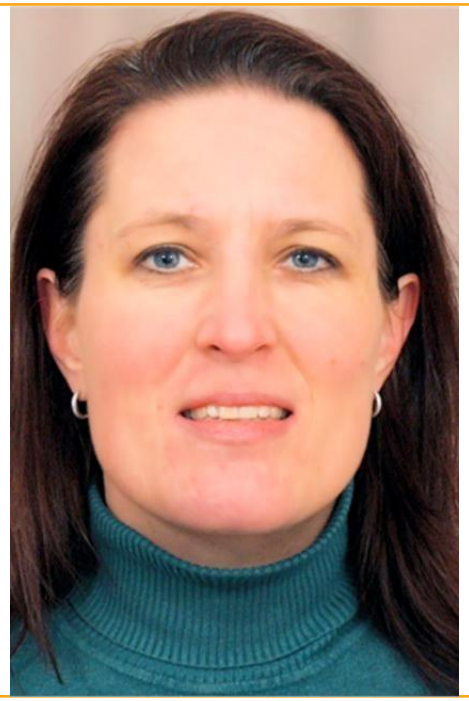


About the presenters



Geert van der Wijk

- Product owner Education & Research
- Background: Educational science & technology
- Contact details: grs.vander.wijk@windesheim.nl



Renée Visscher

- Business analyst / Solution architect Personal Learning Pathway
- Background: Computer Science
- Contact details: r.visscher@windesheim.nl

Agenda

- Introduction of University of Applied Sciences Windesheim
- Ambitions of Windesheim
- The architecture & the role of Brightspace
- Lessons learned & current challenges
- Questions

Introduction

About Windesheim

A Dutch University of Applied Sciences:

- ~25.000 students and ~2.500 employees
- Providing 76 studies and 150 training modules



Introduction

The Windesheim locations





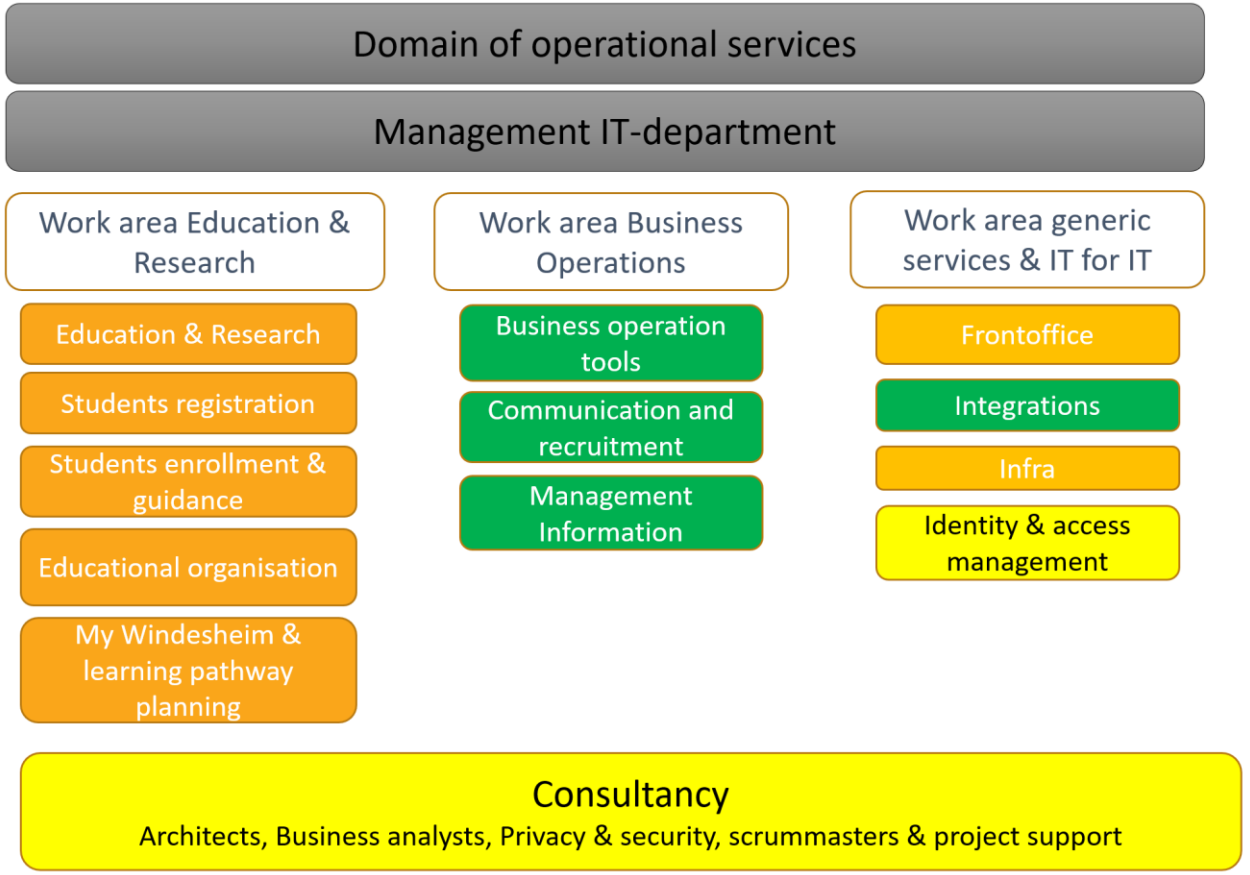




Ambitions of Windesheim

Organization chart

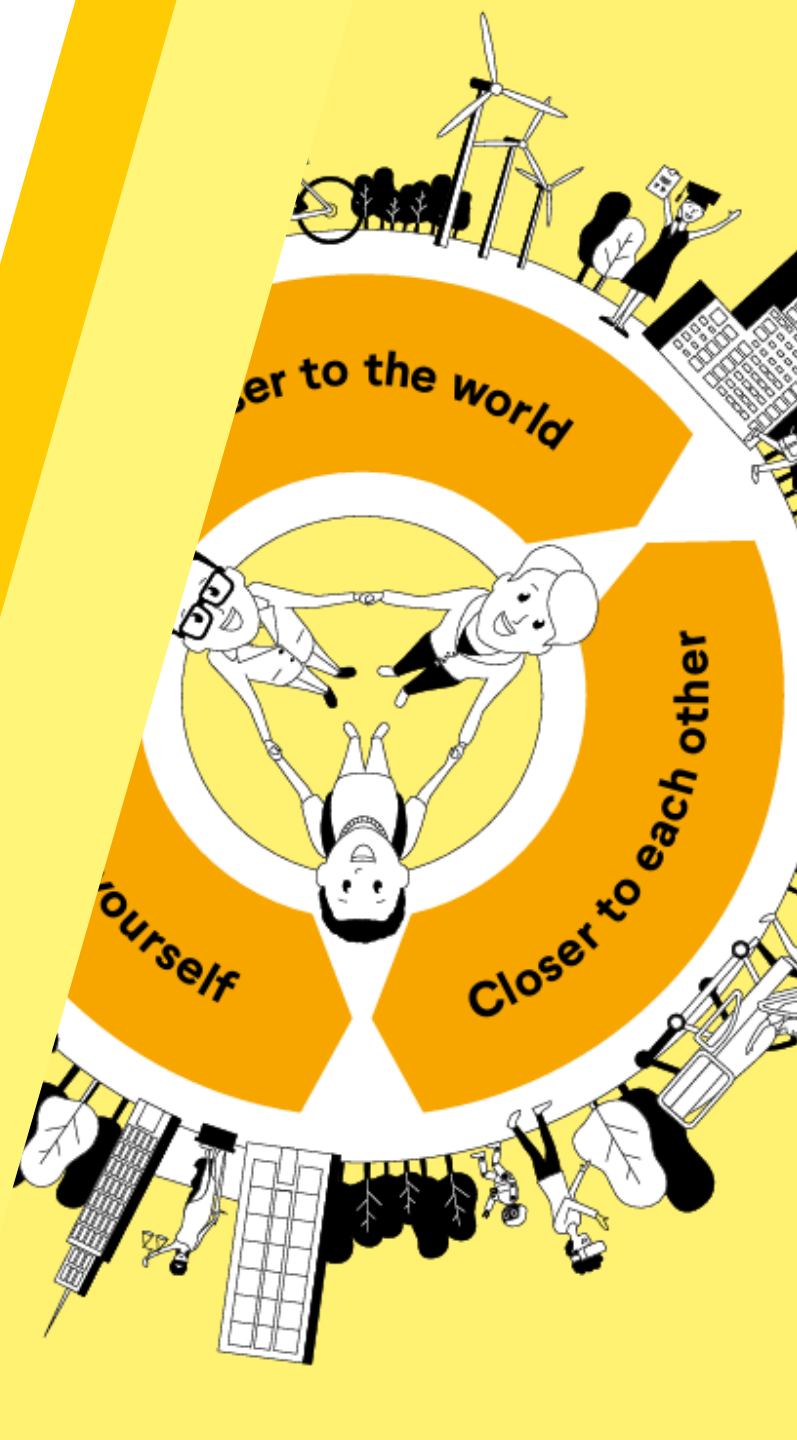




Ambitions of Windesheim

Windesheim ambitions 2023 - 2028

1. Closer to the world
2. Closer to each other
3. Closer to yourself



Ambitions of Windesheim

A personal learning pathway for students

The student has more freedom to design the learning path in such a way that it optimally suits their learning needs.

We want to give the student choices in:

- What to learn
- Where to learn
- How and when to learn
- Speeding up or slowing down (learning pace)



A few quotes

> During my study, I can broaden or deepen my knowledge by taking modules that I find interesting.

> Due to my dyslexia, I struggle with written exams. It is great that I have the option to take an oral exam.

> With good planning, you can take two modules simultaneously without overlap. As a result, I completed a year of study in half a year.



Ambitions of Windesheim

Implementing personal learning pathways

1. Strategic ambitions 2017 – 2022 lead to:
   a. Start redesigning curricula based on learning outcomes
   b. Start redesigning the IT-landscape
   c. Start aligning business processes (process standardization teams)
2. 2022 -2023: Implementing processes and curricula
3. September 2023 – go live with ~400 first-year students
4. September 2023 - …. - continuous development

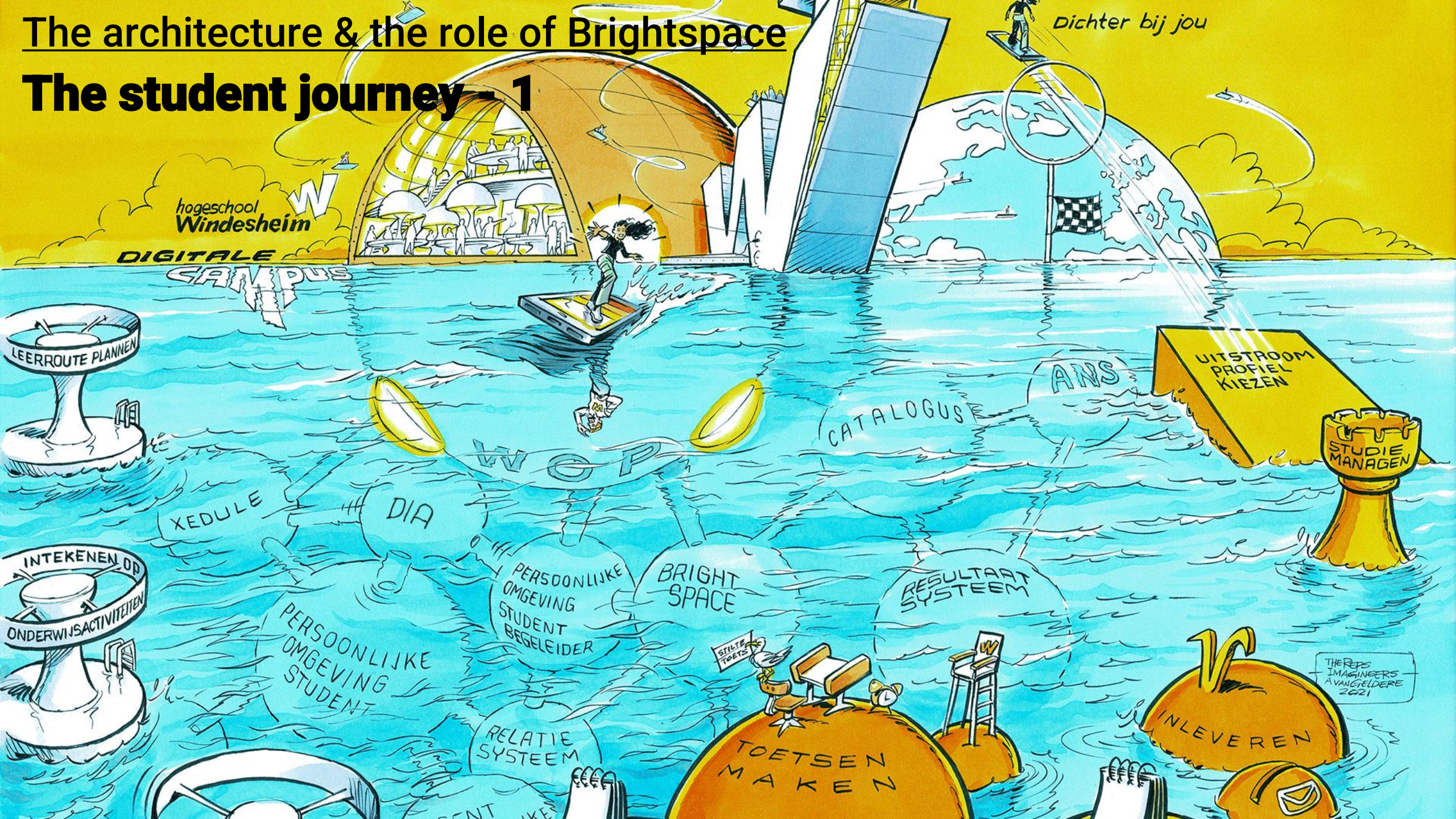
Ambitions of Windesheim

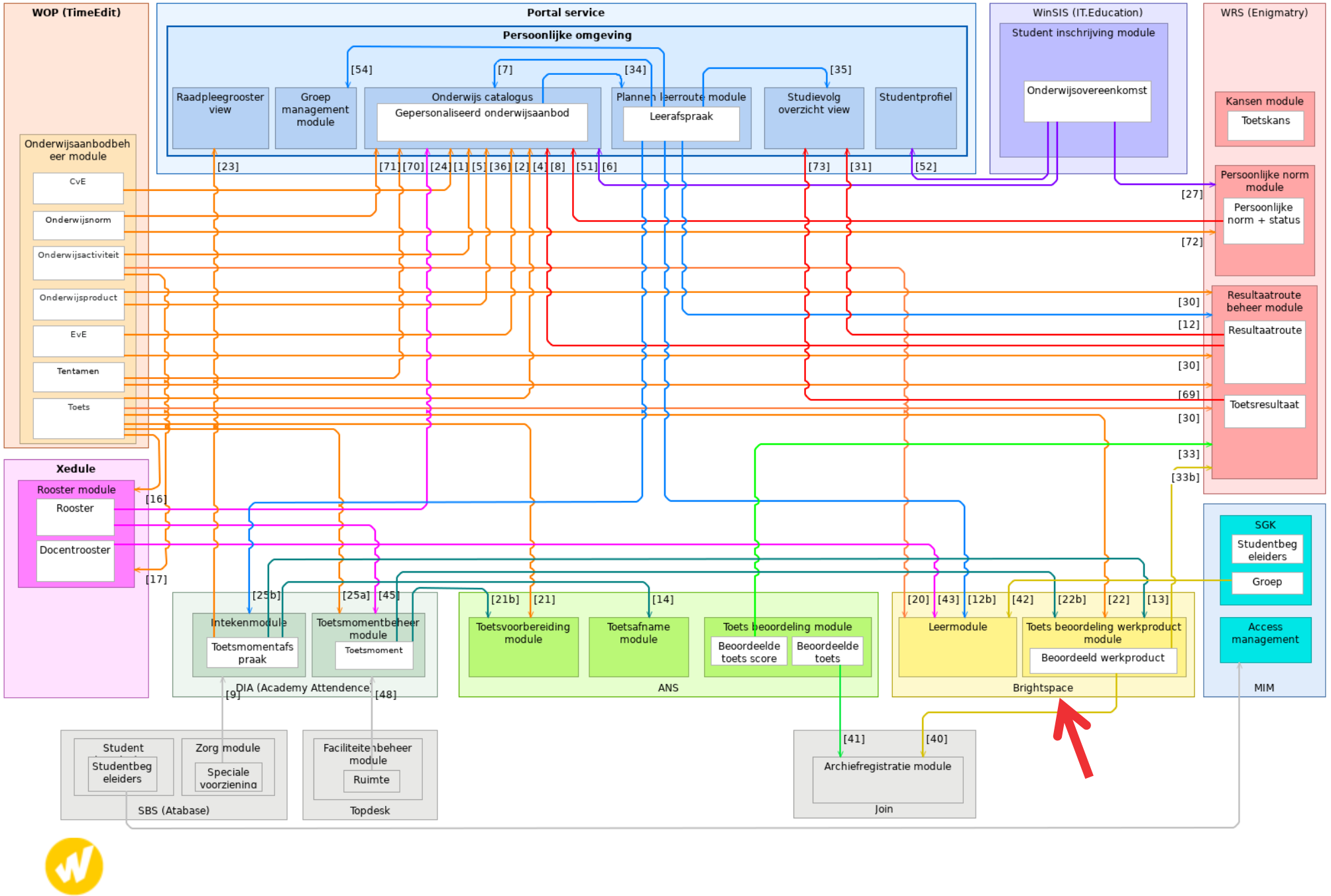
Building a new IT landscape

- Purchase and implement multiple cloud based applications (i.e. WOP, DIA, WRS, WinSIS,…)
- Build and implement our own applications (PL, My Windesheim)
- Build and implement lots of integrations
- Build, adjust and implement lots of (management) reports

The architecture & the role of Brightspace

The student journey - 1




WOP (TimeEdit)
Onderwijsaanbodbeheer module
CvE
Onderwijsnorm
Onderwijsactiviteit
Onderwijsproduct
EvE
Tentamen
Toets
Xedule
Rooster module
Rooster
Docentrooster
Portal service
Persoonlijke omgeving
Raadpleegrooster view
Groep management module
Onderwijs catalogus
Gepersonaliseerd onderwijsaanbod
Plannen leerroute module
Leerafspraak
Studievolg overzicht view
Studentprofiel
WinSIS (IT.Education)
Student inschrijving module
Onderwijsovereenkomst
WRS (Enigmatry)
Kansen module
Toetskans
Persoonlijke norm module
Persoonlijke norm + status
Resultaatroute beheer module
Resultaatroute
Toetsresultaat
SGK
Studentbegeleiders
Groep
Access management
MIM
Intekenmodule
Toetsmomentafspraak
Toetsmomentbeheer module
Toetsmoment
DIA (Academy Attendence)
Toetsvoorbereiding module
Toetsafname module
Toets beoordeling module
Beoordeelde toets score
Beoordeelde toets
ANS
Leermodule
Toets beoordeling werkproduct module
Beoordeeld werkproduct
Brightspace
Student
Studentbegeleiders
Zorg module
Speciale voorziening
SBS (Atabase)
Faciliteitenbeheer module
Ruimte
Topdesk
Archiefregistratie module
Join
[54]
[7]
[34]
[35]
[23]
[71]
[70]
[24]
[1]
[5]
[36]
[2]
[4]
[8]
[51]
[6]
[73]
[31]
[52]
[27]
[72]
[30]
[12]
[30]
[69]
[30]
[33]
[33b]
[16]
[17]
[25b]
[25a]
[45]
[21b]
[21]
[14]
[20]
[43]
[12b]
[42]
[22b]
[22]
[13]
[9]
[48]
[41]
[40]

Brightspace configuration

The student can choose

- which educational activities to select and follow
- which exam/tests to choose to demonstrate learning outcomes

To support this flexibility we chose to *separate* educational activities and tests activities in Brightspace:

- For every educational activity or set of specific educational activities there is an *educational course* in Brightspace
- For every test activity there is an *test course* in Brightspace

Brightspace interfaces

Incoming interfaces

- To create courses
- To enroll instructors and students
- To create assignment
- To enroll students on assignments

Outbound interfaces

- To extract results to the resultsystem
- To archive final projects

Creating courses



Activities

- Associate professor & staff create curriculum in *Curriculum design application*

Trigger

- Publication of the curriculum

Result

- Based on the educational activities in the curriculum *educational courses* are created in Brightspace
- Based on the tests in the curriculum, *test courses* are created in Brightspace and assessors for the specific test are enrolled
- In both courses the associate professor is enrolled



hogeschool Windesheim | Recruitment Uitvoering (2627 S1)

Course Home | Content | Assessment | Users | Discussions | Co

Screenshot onde

Recruitment Uitvoering (26/27) t
04_2627_S1

Activity Feed

Create a post...

Post

Hello
Share something to get started...

Updates

There are no current updates for Recruitment Uitvoering (2627 S1)

Quick Eval

hogeschool Windesheim | TOETS Projectcharter Lean 1 (26/27)

Course Home | Content | Assessment | Users | Discussions | Course Admin | Beoordelen | Sources | Ally | More

Assignments

Help

New Assignment | Edit Categories | More Actions

Bulk Edit

Assignment	New Submissions	Completed	Evaluated	Feedback Published
No Category				
TOETS Projectcharter Lean 1 2026 w45 Due on 08 November 2026 11:59 PM Ends 8 Nov	1	1/16	0/16	0/16
TOETS Projectcharter Lean 1 2027 w11 Due on 21 March 2027 11:59 PM Ends 21 Mar		0/6	0/6	0/6
TOETS Projectcharter Lean 1 2027 w14 Due on 11 April 2027 11:59 PM Ends 11 Apr		0/6	0/6	0/6
TOETS Projectcharter Lean 1 2026 w41 Due on 26 October 2026 11:59 PM Ends 26 Oct	1	14/16	13/16	13/16

Enrolling lecturers on educational courses



Activities

- The scheduler allocates instructors and classcodes to educational activities within the scheduling software

Trigger

- Publication of the teaching schedule

Result

- The allocated instructors for the educational activities are enrolled in the educational courses associated with those activities.
- For every classcode a section is made



Classlist

Print | Settings | Help

Add Participants | Enrolment Statistics | Email Classlist

Filter by: Sections 1 | Apply

Search For... | Show Search Options

Email | Print | Enrolment | Unenroll

	Image	Name	Org Defined ID	Role	Last Accessed
☐		van Bas, Marcel	BAM4	EL Examinator Toets	

10 per page

Total Users: 1

Enrolling students on educational courses



Activities

- Student selects an examination unit in *planning learning pathway tool* and plans the educational activities needed to acquire the knowledge and skills -> none/required/maximal

Trigger

- Publication of student choices

Result

- The student is enrolled in the educational courses associated with the selected activities and enrolled in the class section

Classlist

Print Settings Help

Add Participants | Enrolment Statistics | Email Classlist

Search For... Show Search Options

Email Print Enrolment Unenroll

	Image	Name	Org Defined ID	Role	Last Accessed
☐		Corkery, Corine	S2900428	Student	
☐		Ryan, Danial	S2900423	Student	

10 per page

Total Users: 2

Creating assignments for every scheduled test (aka test moment)



Activities

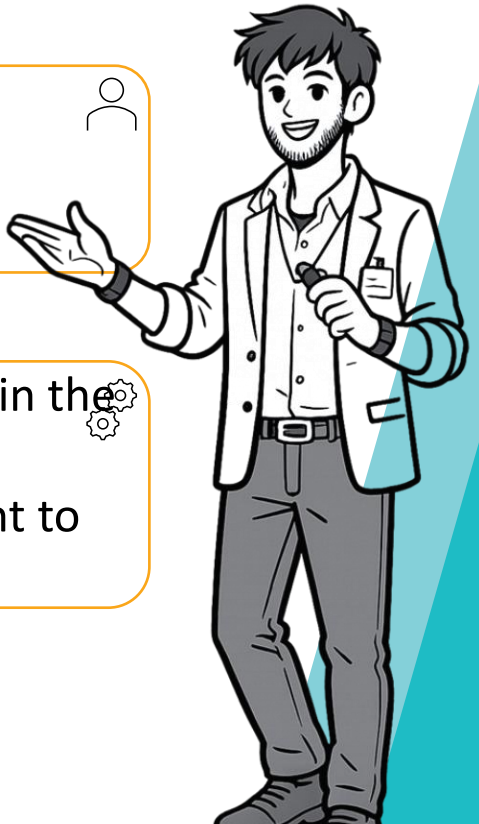
- The scheduler schedules the tests into the *scheduling software* according to the curriculum data

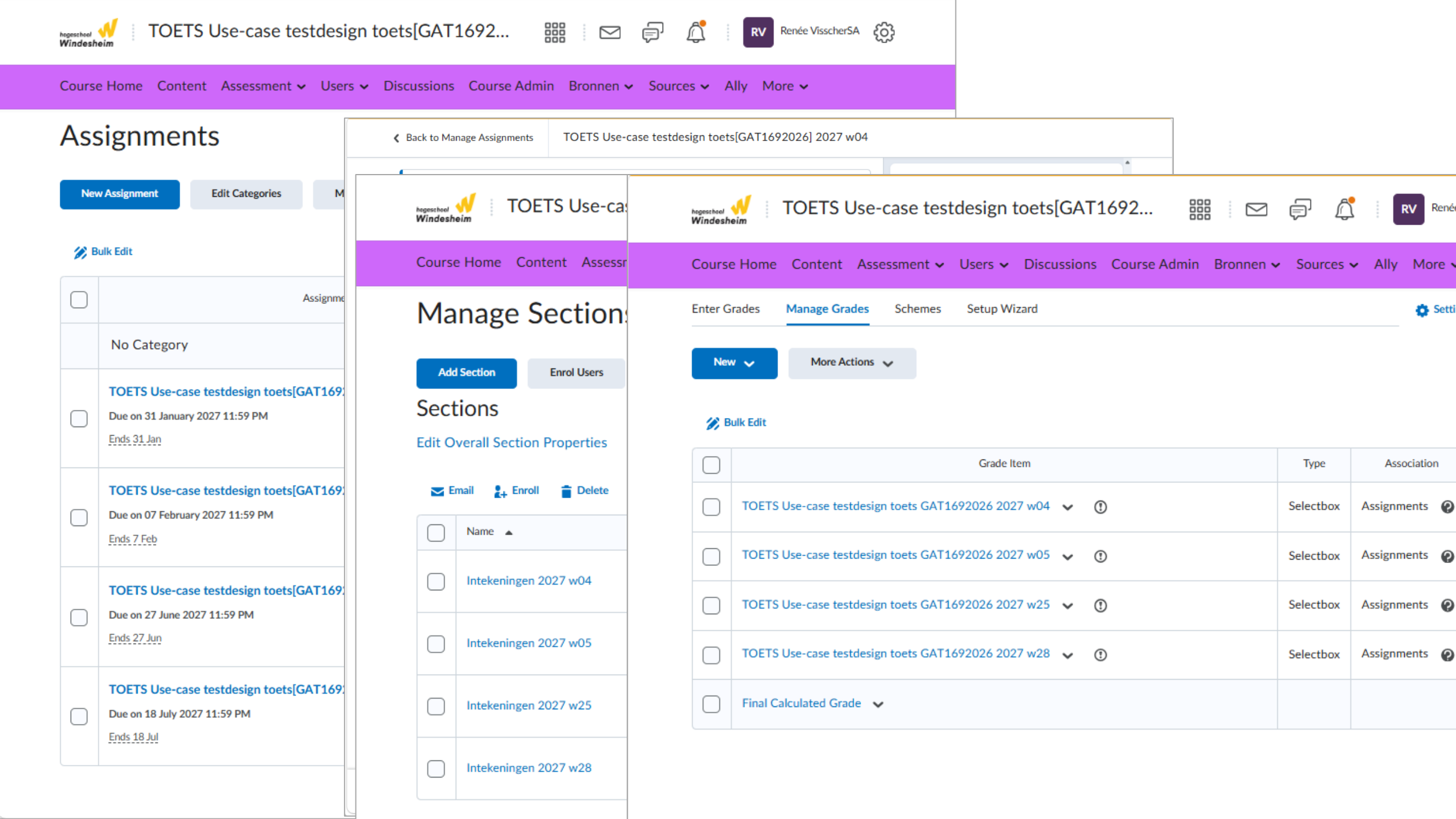
Trigger

- Publication of the test schedule

Result

- For every scheduled test an assignment and a grade item is created in the corresponding test course in Brightspace
- And also a section and a releasecondition is created per test moment to be able to enroll students on specific test moments they choose.




TOETS Use-case testdesign toets[GAT1692...
RV
Renée VisscherSA
Course Home
Content
Assessment
Users
Discussions
Course Admin
Bronnen
Sources
Ally
More
Assignments
New Assignment
Edit Categories
Bulk Edit
No Category
TOETS Use-case testdesign toets[GAT169
Due on 31 January 2027 11:59 PM
Ends 31 Jan
TOETS Use-case testdesign toets[GAT169
Due on 07 February 2027 11:59 PM
Ends 7 Feb
TOETS Use-case testdesign toets[GAT169
Due on 27 June 2027 11:59 PM
Ends 27 Jun
TOETS Use-case testdesign toets[GAT169
Due on 18 July 2027 11:59 PM
Ends 18 Jul
Back to Manage Assignments
TOETS Use-case testdesign toets[GAT1692026] 2027 w04
Manage Sections
Add Section
Enrol Users
Sections
Edit Overall Section Properties
Email
Enroll
Delete
Name
Intekeningen 2027 w04
Intekeningen 2027 w05
Intekeningen 2027 w25
Intekeningen 2027 w28
Enter Grades
Manage Grades
Schemes
Setup Wizard
New
More Actions
Bulk Edit
Grade Item
Type
Association
TOETS Use-case testdesign toets GAT1692026 2027 w04
Selectbox
Assignments
TOETS Use-case testdesign toets GAT1692026 2027 w05
Selectbox
Assignments
TOETS Use-case testdesign toets GAT1692026 2027 w25
Selectbox
Assignments
TOETS Use-case testdesign toets GAT1692026 2027 w28
Selectbox
Assignments
Final Calculated Grade

Enrolling student on test courses



Activities

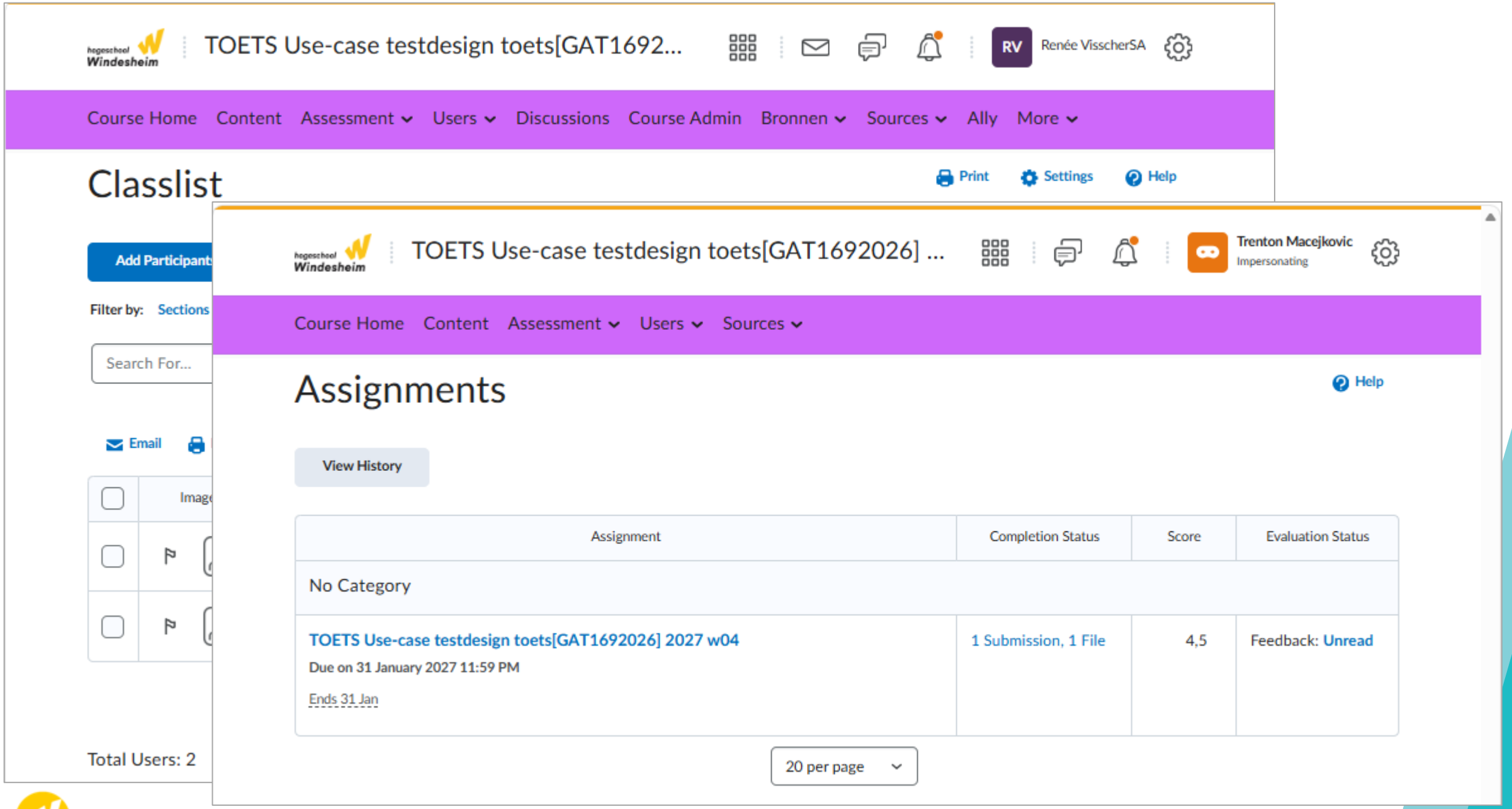
- After selecting an examination unit in the *planning learning pathway tool* the student chooses an exam to demonstrate their learning outcome
- The student subscribes for specific timeslots (test moment) of the tests within the chosen exam within the *student test registration system*

Trigger

- Publication of student subscriptions

Result

- The student is enrolled in the test course and added to the section for the specific test moment so they can only see the specific assignment(s) they signed up for.


hogeschool Windesheim
TOETS Use-case testdesign toets[GAT1692...
RV
Renée VisscherSA
Course Home
Content
Assessment
Users
Discussions
Course Admin
Bronnen
Sources
Ally
More
Classlist
Print
Settings
Help
Add Participant
Filter by:
Sections
Search For...
Email
Total Users: 2
hogeschool Windesheim
TOETS Use-case testdesign toets[GAT1692026] ...
Trenton Macejkovic
Impersonating
Course Home
Content
Assessment
Users
Sources
Assignments
Help
View History
Assignment
Completion Status
Score
Evaluation Status
No Category
TOETS Use-case testdesign toets[GAT1692026] 2027 w04
Due on 31 January 2027 11:59 PM
Ends 31 Jan
1 Submission, 1 File
4,5
Feedback: Unread
20 per page

Publish the grades to the result system

Activities

- The examinator evaluates the submission and publishes the evaluation in *Brightspace*.

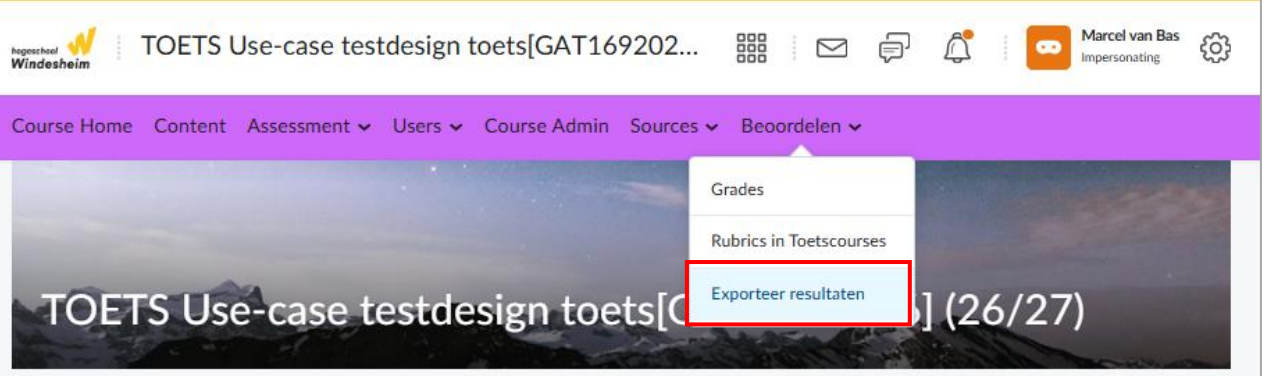
Trigger

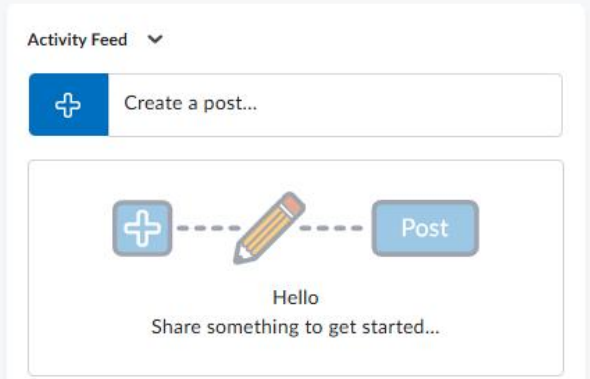
- The examinator publishes all the grades of the specific testmoment in a custom *instructor-examinator portal*.

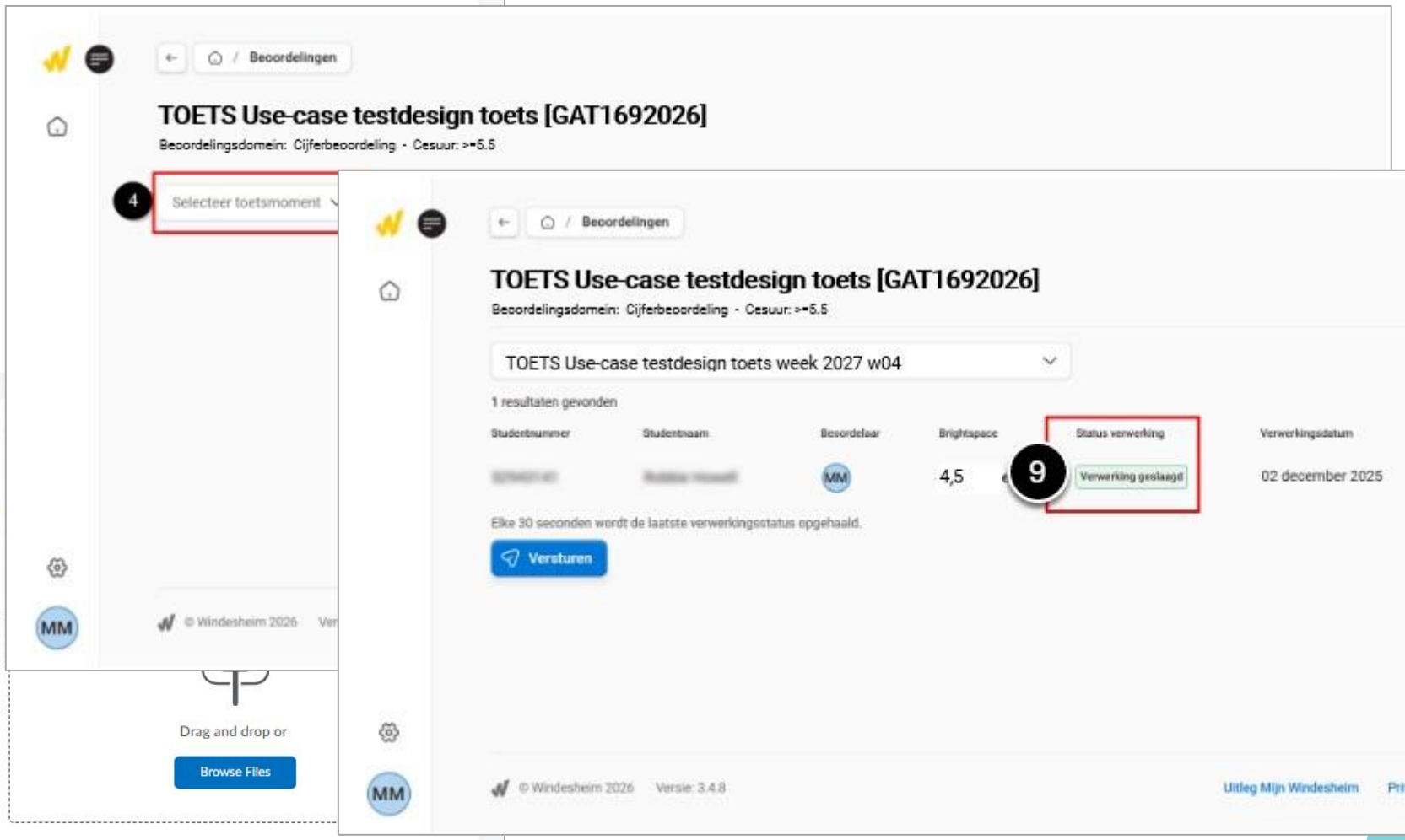
Output

- The grades of the published testmoment are sent to the *result system.*
- Errors are collected and communicated to *the instructor-examinator portal*.




hogeschool Windesheim
TOETS Use-case testdesign toets[GAT169202...
Marcel van Bas
Impersonating
Course Home
Content
Assessment
Users
Course Admin
Sources
Beoordelen
Grades
Rubrics in Toetscourses
Exporteer resultaten
TOETS Use-case testdesign toets[
] (26/27)


Activity Feed
Create a post...
Post
Hello
Share something to get started...
Updates
1 New Assignment Submissions
Quick Eval
TOETS Use-case testdesign toets[GAT1692026] 2027 w04
Due Jan 31 • TOETS Use-case testdesign toets[GAT1692026] (26/2...
View all activities


Beoordelingen
TOETS Use-case testdesign toets [GAT1692026]
Beoordelingsdomein: Cijferbeoordeling - Cesuur: >=5.5
4
Selecteer toetsmoment
MM
© Windesheim 2026
Drag and drop or
Browse Files
Beoordelingen
TOETS Use-case testdesign toets [GAT1692026]
Beoordelingsdomein: Cijferbeoordeling - Cesuur: >=5.5
TOETS Use-case testdesign toets week 2027 w04
1 resultaten gevonden
Studentnummer
Studentnaam
Beoordelaar
Brightspace
Status verwerking
Verwerkingsdatum
MM
4,5
9
Verwerking geslaagd
02 december 2025
Elke 30 seconden wordt de laatste verwerkingsstatus opgehaald.
Versturen
© Windesheim 2026
Versie: 3.4.8
Uitleg Mijn Windesheim
Privacystatement

Archiving final project for accreditation

Activities

- Student has presented their final work.
- The examinator makes sure the submissions and evaluation files are complete in Brightspace and sends result to *the result system*

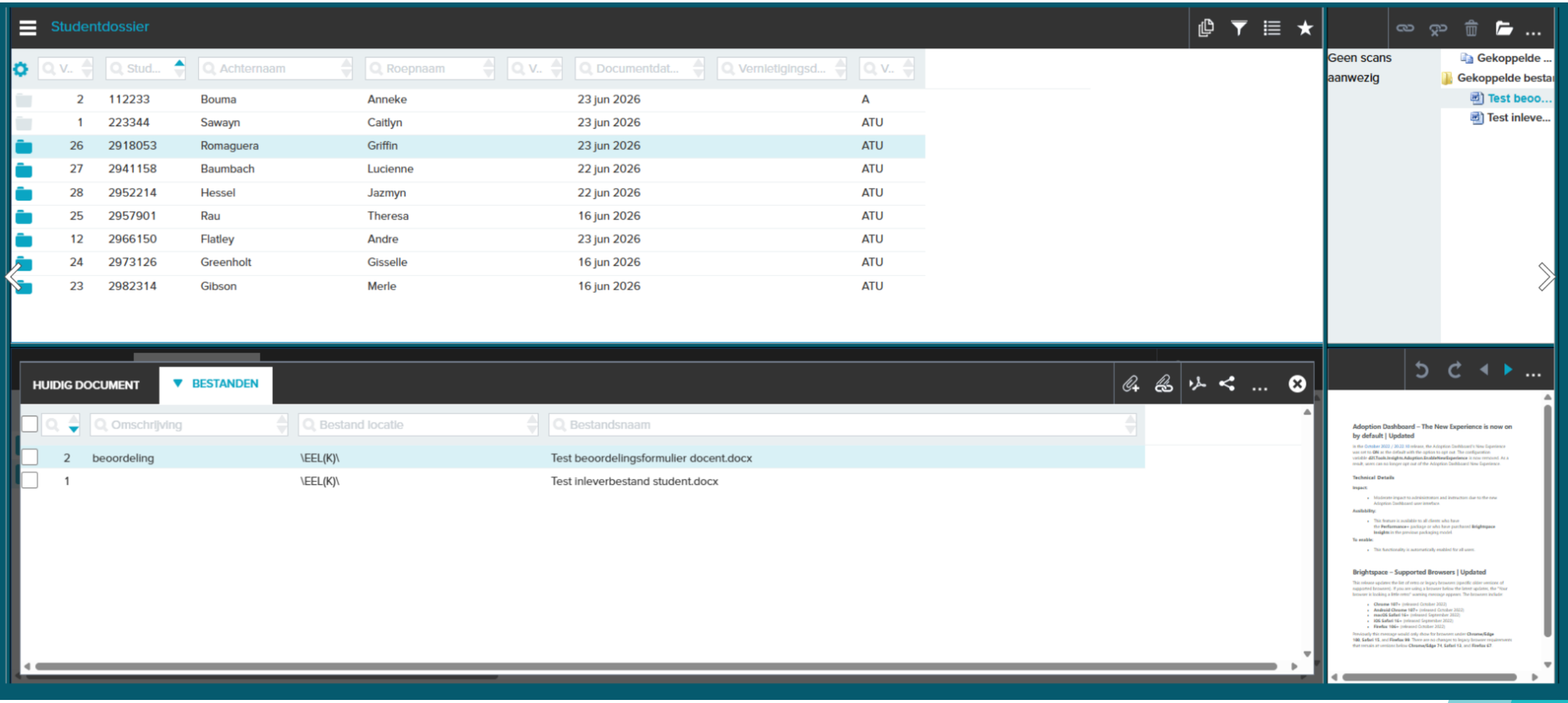
Trigger

- The examinator finalizes the grade of the final project of the student in the *result system*.

Output

- The submissions and the evaluation documents of the test of the finalized result are collected and send to the *archiving system.* [Next step] Errors are collected and displayed in the *instructor-examinator portal*.




Studentdossier
V..
Stud...
Achternaam
Roepnaam
V..
Documentdat...
Vernietigingsd...
V..
2 112233 Bouma Anneke 23 jun 2026 A
1 223344 Sawayn Caitlyn 23 jun 2026 ATU
26 2918053 Romaguera Griffin 23 jun 2026 ATU
27 2941158 Baumbach Lucienne 22 jun 2026 ATU
28 2952214 Hessel Jazmyn 22 jun 2026 ATU
25 2957901 Rau Theresa 16 jun 2026 ATU
12 2966150 Flatley Andre 23 jun 2026 ATU
24 2973126 Greenholt Gisselle 16 jun 2026 ATU
23 2982314 Gibson Merle 16 jun 2026 ATU
Geen scans aanwezig
Gekoppelde ...
Gekoppelde besta
Test beoo...
Test inleve...
HUIDIG DOCUMENT
BESTANDEN
Omschrijving
Bestand locatie
Bestandsnaam
2 beoordeling \EEL(K)\ Test beoordelingsformulier docent.docx
1 \EEL(K)\ Test inleverbestand student.docx
Adoption Dashboard – The New Experience is now on by default | Updated
Technical Details
Brightspace – Supported Browsers | Updated

Lessons learned

- Be patient – we are changing our culture
  - Start with standardizing processes across faculties
- Start with the basics (80%) and proceed with improvements
- Work in close collaboration with other teams and stakeholders

Current challenges

- Reduce manual labor through further automation
- Keep focus on change next to run
- Upgrading our integration layer to new technology (Azure)
- Facilitate former and new application landscape simultaneously
- Pay attention to migration of students from old curriculum to new curriculum

Lessons learned & current challenges

Current challenges in the Brightspace platform

- Integrating is not easy
  - no official API definition, no webhooks, no attribute to store GUIDs
- Release conditions do not fully carry through to grading
  - It’s possible to grade a student that doesn’t have access to the corresponding assignment
- More granular permissions needed
  - Objects/attributes created by integration shouldn’t be edited or deleted by end users
  - Importing content should be limited: no assignments, only content and rubrics
- Rubrics are not suitable for final projects:
  - two assessors with separate evaluations required
  - rubric cannot be downloaded as single file (JSON for criteria, JSON for scores)

Questions?



Thank you for attending our talk!

University of Applied Sciences
Windesheim