



inspera

Integrity in Digital Assessments

Inspera Nordics Seminar

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[INSPERA.COM](https://inspera.com)

Integrity in Digital Assessments

Who are we?

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What to expect

1. Product introductions
2. What can integrity products do?
3. Inspera Integrity Browser demo
4. Roadmap
5. Q&A

Product introductions

Safe Exam Browser

- Developed and maintained by Safe Exam Browser project
- Part of the SEB Alliance
- Inspera works in partnership with the project
- Management and engineering based out of ETH Zurich
- New versions of SEB go through process of UAT and then support
- We have a team to maintain test player in association with SEB

Inspera Integrity Browser

- Started as Inspera Exam Portal
- Opportunity to create an application that allows for deeper security at a device-level
- Active development as part of the Test Experience team - regular release of versions with new improvements and features
- Latest version is 1.15.11 - evolves iteratively
- Renamed in Oct 2024 as Inspera Integrity Browser

What can an Integrity Browser and/or Proctoring do?

It should:

- stop candidates from accessing materials you don't want to them to access
- not create a barrier to the assessment experience
- be secure

It should:

- provide a recording of the candidates' activity during the assessment
 - video
 - audio
 - screen activity
- not interfere with the assessment experience

Safe Exam Browser (SEB) or Inspera Integrity Browser (IIB)?

Integrity Browser

	Inspira Integrity Browser (IIB)	Safe Exam Browser (SEB)
Lock device down during assessment	✓	✓
Developed by Inspira	✓	✗
Open Source	✗	✓
Allowlist Specific 3rd Party Applications	✗	✓
Screen Recording Options	✓	✗
Proctoring Options	✓	✗

How we think about Integrity Browsers and/or Proctoring

Security

Wants:

- Restrict Access
- Protect Questions
- Monitor Behavior
- **There's an app for that!**

...but how effective is it?

But how effective?

- Bad implementation causes issues where institutions have a false sense of security.
- It will always rear its head. The question is 'when', not 'if'.
- There are some institutions that use use restricted browsers remotely.
 - Candidates have mobile phones, remember!
- Recording all movement isn't the answer either.
- At what point does security affect the integrity of the assessment?
 - Is it really a fair assessment if the candidate feels every movement could be treated as potential misconduct?
 - You can't ignore the impact of additional anxiety and stress to and already important assessment

Return to the old ways!

- Misconduct did not start with the internet
- It is not digital assessment, it's the digital world.
 - And we can't go back in time.
- Cheating tech already exists for all exam types.
 - But it's not common. Because most candidates value the integrity of their assessment.
 - Additional security can affect this integrity.

Students are using 'smart' spy technology to cheat in exams

Published: May 12, 2016 9.04pm BST

Students are using smart technology to try to beat the exam system. Shutterstock/hxdbzcy

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Students at a medical college in Thailand have been [caught using spy cameras](#) linked to smartwatches to cheat during exams. They used wireless spycams in eyeglasses to capture exam questions, transmit them to associates elsewhere and receive responses through linked smartwatches.

But the entrance exam in question was cancelled after the plot was discovered and Arthit Ourairat, the rector of Rangsit University, [posted pictures](#) of the hi-tech cheating equipment on his Facebook page.



Spy camera glasses used by the exam cheats. Arthit Ourairat/Facebook

The cheating attempt has already been compared to Hollywood's classic spy dramas but it shows how easily such high-tech devices are available to those who

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Cheating Tech



Conservation Law and Policy

5.4 pages | Essay (any type) | English (UK) 

Draft ~ \$78.55 **3 hours remain**

High Tech or Low Tech

- Misconduct is just like magic - deception
- The method is usually low tech. Still.
 - Paper rolled up in pen
 - Notes on forearms
 - Notes in pockets then go to the toilet.

Balance is Required

- We must ensure integrity of the exam, but also integrity of the assessment itself
 - Do the candidates feel the assessment was fair and just?
 - Were they given the opportunity and environment to best demonstrate their knowledge?
 - Is it assessing knowledge, or testing emotional resilience to stress and anxiety?
- It needs to be about more than a 'gotcha' moment.
 - Instead we need to be more creative.
 - Data-driven evidence from behaviour.

The Opportunities Integrity Browser and Proctoring Provide

Successful uses of it

- Enable in-person digital assessments.
 - Greater range of assessments
 - Questions not constrained by pen and paper
 - Easier to read
 - Faster to mark
 - Easier to track
- Allow student to use own devices
- Require students to use institution's devices

Successful uses of it

- Remotely for students unable to get to in-centre exams
 - Financial hardship
 - Distance
 - Personal barriers (family carer, child care, physical challenges)
- In-centre screen recording
 - 3rd party application use
 - Monitoring without additional privacy concerns
 - Student piece of mind regarding conduct

Final Thoughts

Inspira Integrity Browser: demo

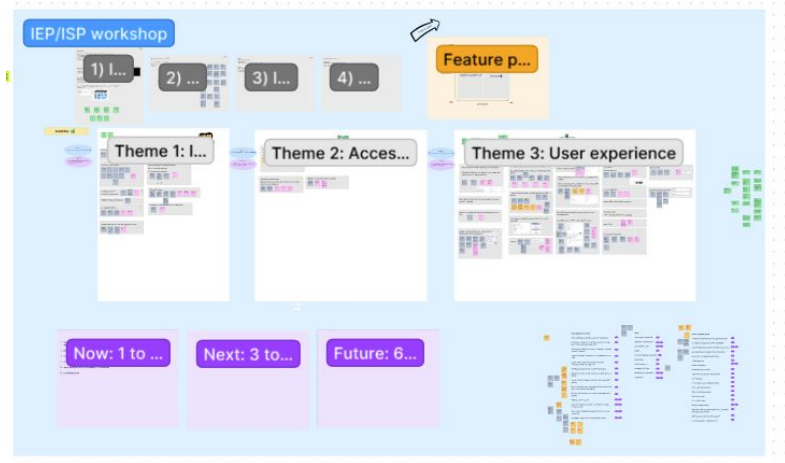
Inspira Integrity Browser: Roadmap



Approach

Input:

- Internal workshops
- User research sessions with customers
- Productboard Notes and Ideas
- Analysis and market insights



Inspira Integrity Browser

Vision

The highest level of academic integrity in digital assessments.

What really matters...

Why might a candidate cheat?

- They don't want to learn? They just want to pass?
- Requiring more academic support
- Struggling to manage their time
- Pressure to perform
- Comparison with peers
- Personal and wellbeing factors

What really matters...

Strategic pillars for the Integrity Browser:

- 1) Supporting candidates to achieve their best with integrity
- 2) Supporting institutions to make informed decisions about academic integrity and misconduct

Themes

Now

Secure

Recognisable

Next

Global

Accessible

Consistent

Later

Data-driven

Candidate-centred

Future-proof

'Now'

Secure experience

- Regularly assess risks and new improvements
- Currently adding extra security features

Recognisable experience

- Name changes in the application

'Next'

Global experience

- Localisation of captions and language packs

Accessible experience

- Improved experience for candidates with accessibility requirements

Consistent experience

- Sign-in methods equivalent to Inspera Assessment
- Captions and terminology

'Later'

Data-driven experience

- Focus on the integrity workflow
 - How data helps to inform decision-making on academic integrity
 - Help users to better understand and manage this data

Candidate-centred experience

- UX improvements - instructions, captions, guidance, warnings

Future-proof experience

- Support for proctoring improvements
- Room for innovation

Thank you!



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