

Shimane Medical University: An overview of digital badge dashboards

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Micro-credentials

A micro-credential (Badge) is a **validated indicator** of an accomplishment, skill, quality or interest that is linked to identified individual.



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"Just one old school tie would have done."



New Zealand Registered Nurse's Qualification Badge

The Nurses' Registration Act was introduced in New Zealand on 12 September 1901. Nurses qualified for registration were awarded the New Zealand Registered Nurses' Qualification Badge, sometimes known as the New Zealand Registered Nurses Medal. Nurses were required to be at least twenty-three years of age, to have had three years' training as a nurse in a hospital and to have passed a State Examination.





Te Kaunihera Tapuhi o Aotearoa
Nursing Council of New Zealand

Competencies for registered nurses

*Te whakarite i ngā mahi tapuhi kia tiakina ai te
haumarū a-iwi*

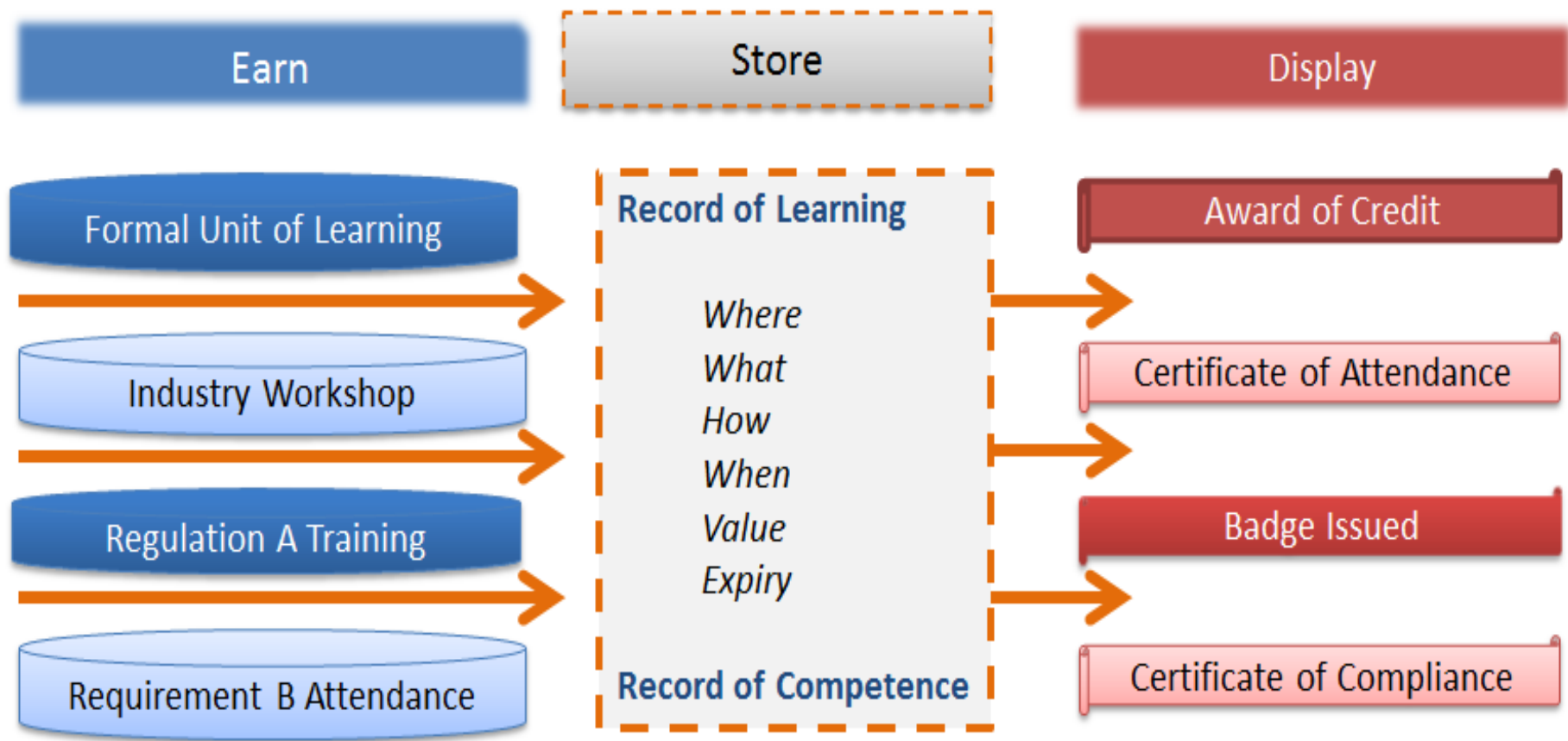
*Regulating nursing
practice to protect public safety*



Ecosystem

- An ecosystem provides the infrastructure for individual learners to provide a complete picture of **all their achievements** through the display of a collection(s) of artefacts.
- These collections signal achievement to a variety of stakeholders including potential employers, educational organisations, professional and social groups





Compliance / Mandatory Training

- Experientially based with input from industry, government, and educational providers
- Typically based on identified “core” skills with explicit outcomes (standards) separately assessed/certificated
- Emphasis on participant-centred outcomes



Validity

- The extent to which the criteria of the micro-credential issued aligns with established industry standards
- The extent to which the micro-credential displayed is an accurate representation of the achievements of the employee.
- *For example, the validity of a micro-credential would be challenged if the criteria established for a recognised practical procedure was measured solely by written activities.*



Reliability

- There is the expectation that the criteria used to define and award a micro-credential in one environment and/or to one cohort of employees, if used under consistent conditions, would produce comparable results in all similar environments and cohorts of employees.



Credibility

- Micro-credential issued must be recognised as a robust, reliable and accurate source of information on employee achievements by a range of stakeholders.
- Credibility is based on two fundamental components, trustworthiness and expertise.
- *For example, credibility is enhanced if the micro-credential criteria are designed by acknowledged experts (expertise) and are endorsed by professional bodies within the industry (trustworthiness).*

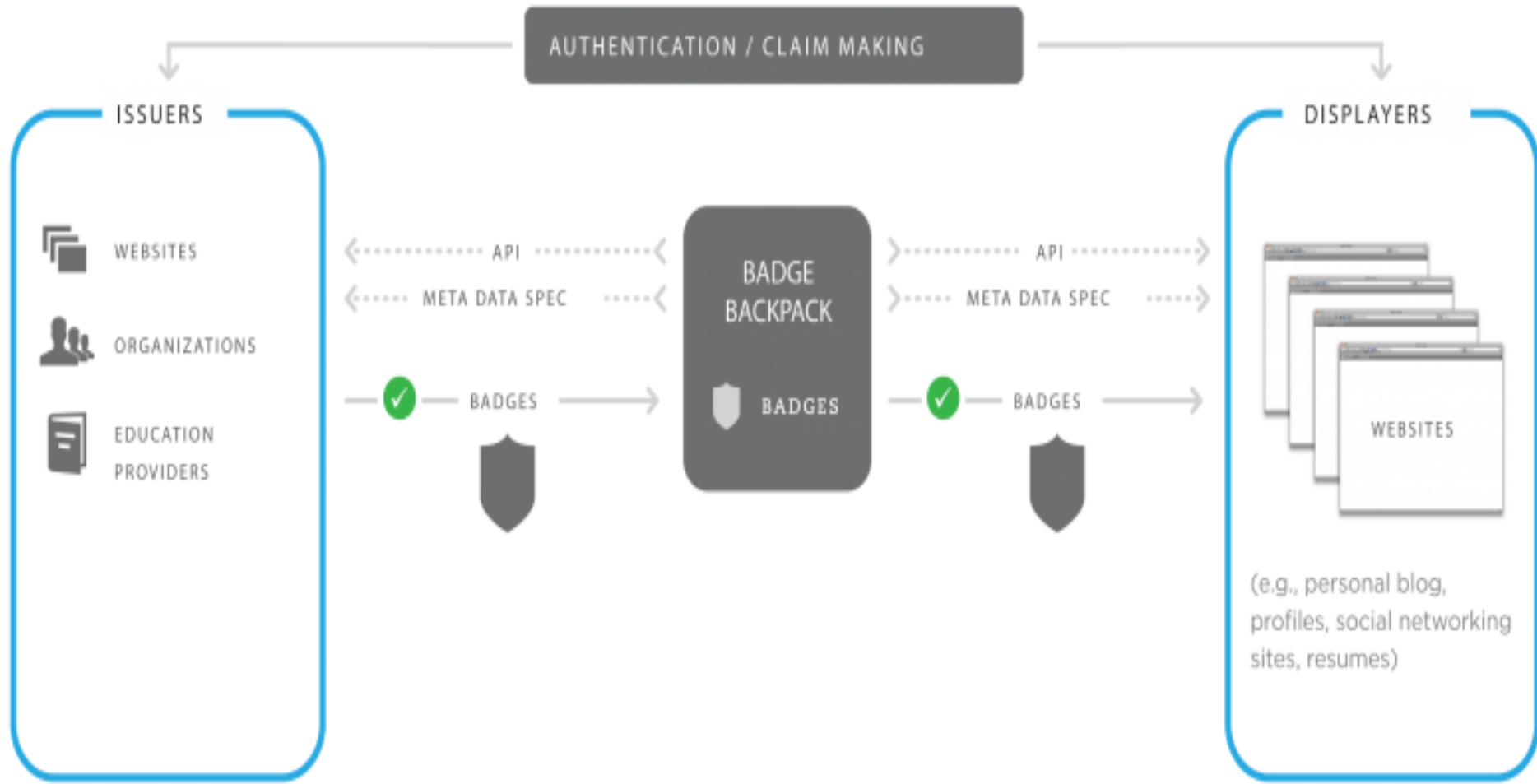


Badge Ecosystem: A Potential Framework

- **Step One:** Discipline experts establishes the performance criteria for a competency and creates an appropriate badge that is endorsed by an established professional body.
- **Step Two:** Learners complete the requirements and submit evidence for verification. Evidence is reviewed and, if proven satisfactory, badge specific details (such as place issued, performance criteria met, i.e. meta-data) are permanently embedded, (referred to as *baked*), within the awarded badge.
- **Step Three:** The badge, with meta-data, is issued to the learner who stores this within an individually controlled digital space referred to as a *backpack*.
- **Step Four:** Stake holders request the details of learners competences from backpacks. The information is received within the personal space and the badge is displayed.



MOZILLA OPEN BADGE INFRASTRUCTURE



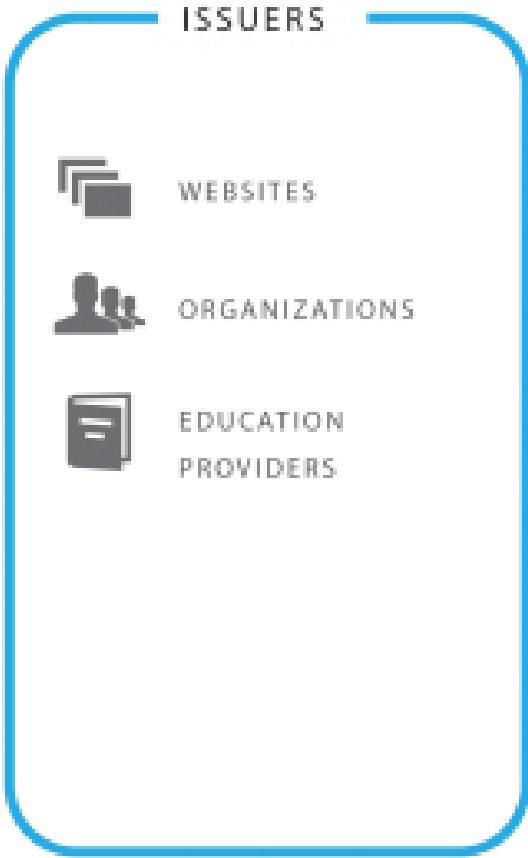
Nursing Skills: Dispensing Medication

The Process

A Registered Nurse completes a training course on dispensing prescriptions within a validated environment.

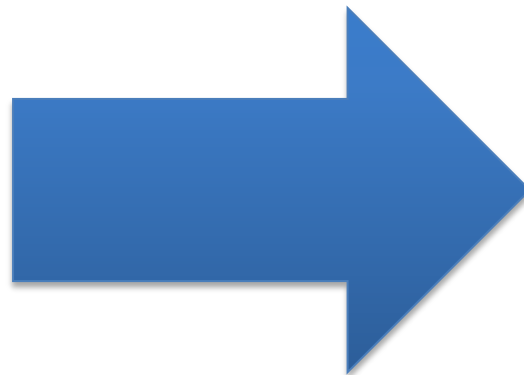
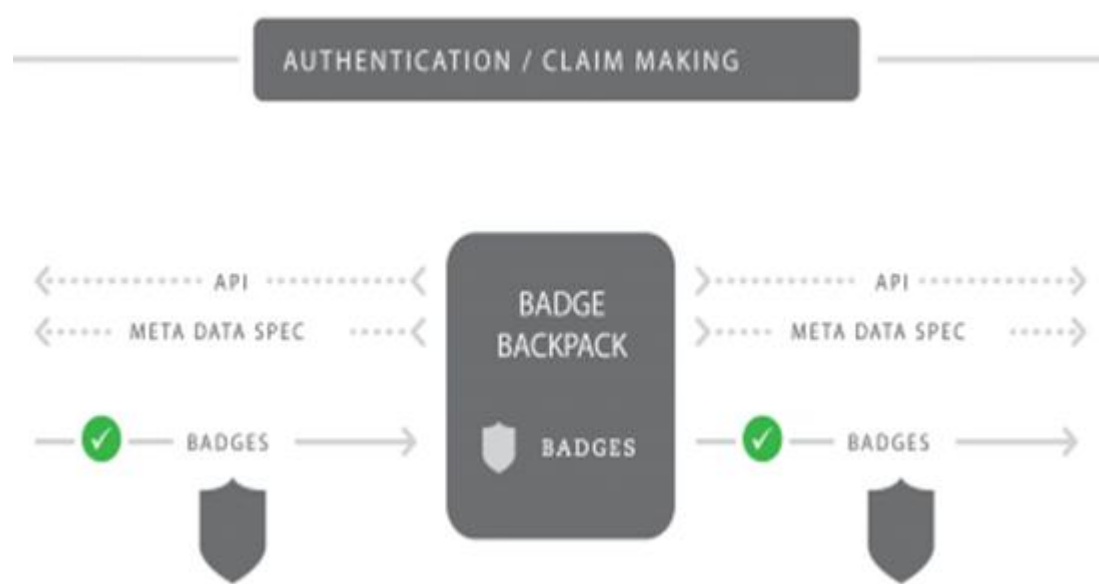
The nurse meets all the performance criteria identified.

They are awarded a badge in recognition of their skill



Details of Registered Nurse training record on dispensing medication is sent to a centralised Record of Learning System (RLS).

Meta-data includes date of issue, performance criteria measured and date of expiry



RLS makes available the details of registered nurse training record on dispensing medication to appropriate institutional system, the learner and other learner authorised displayers.



Nursing CV: Dispensing Medication



The individual /institution is able to display “Registered Nurses” training record in a visual way

As the badge reaches expiry date interaction with the record of learning system will alter color to alert stakeholders of individuals current status to perform

Current





































Expiring









Expired






Digital Dashboard

Nurse	skillA	skillW	skillR	skillD	skillG	skillX
John						
Jane						
Fred						
Mrtyle						
Brenda						
Colin						
Nola						

EXABIS COMPETENCIES

-  module configuration
-  subjects & topics
-  assign Moodle activities
-  overview of competencies
-  detailed view of competencies
-  examples and tasks

EXABIS E-PORTFOLIO

-  My Portfolio
-  Shared Portfolios
-  Export SCORM-File



Patients receive medical care from appropriately qualified staff



