Open Badges Specification v2

Test instruction

This document describes test instruction on what NashTech implemented to upgrade open badge to version 2.

The implementation is based on open badge specification 2.0

https://www.imsglobal.org/sites/default/files/Badges/OBv2p0/history/2.0.html

[https://www.imsglobal.org/sites/default/files/Badges/OBv2p0/examples/index.html#Internationalization](https://www.imsglobal.org/sites/default/files/Badges/OBv2p0/examples/index.html" \l "Internationalization)

All steps as admin user

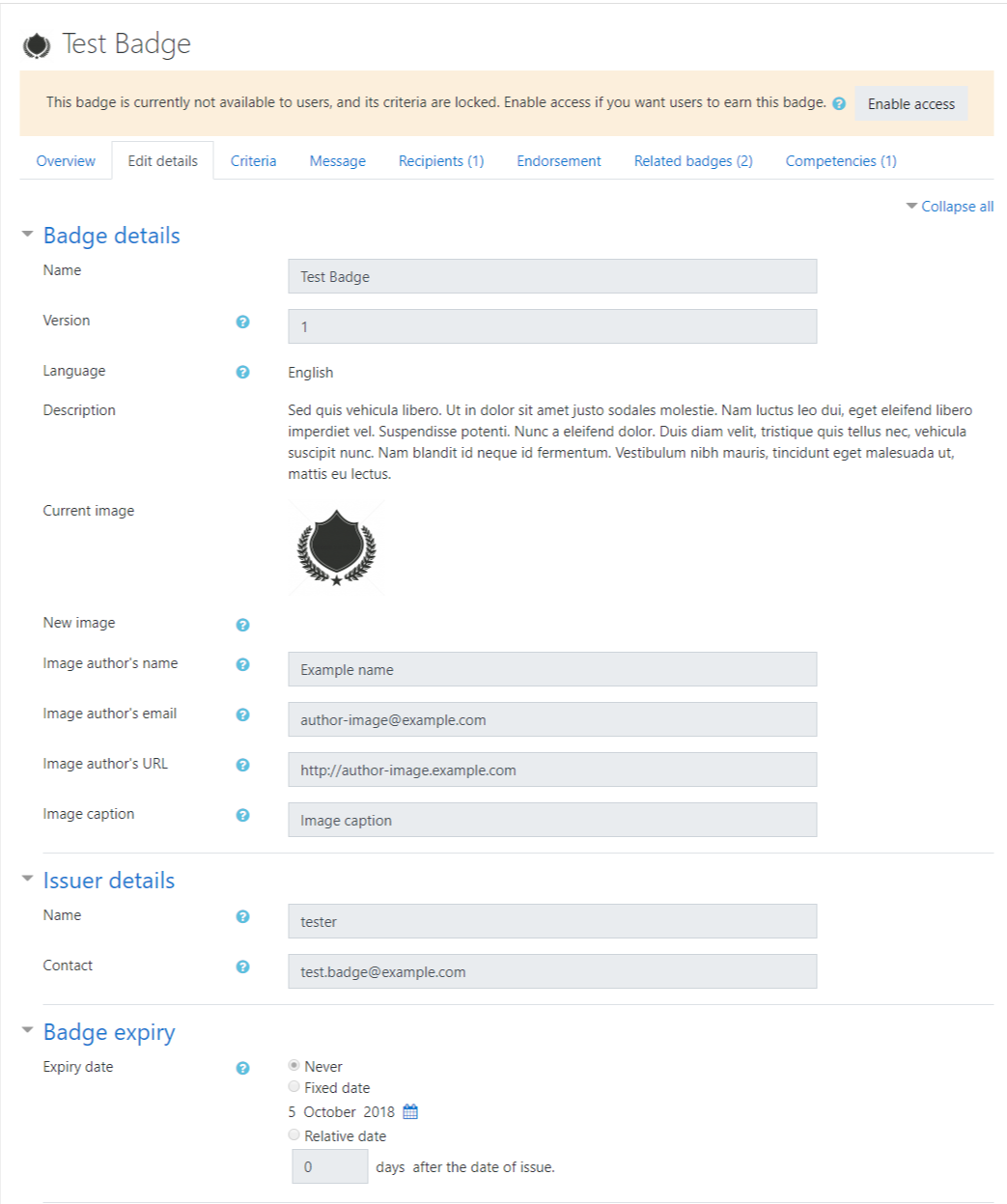
# Create a new badge

Steps:

1. Create a new course or find an existing course
2. Go to that course and add new badge

**Confirm that** you see these new fields on create new badge screen. These fields are new in openbadge v2

* Version: make year-to-year qualitative improvements to the badge and keep track of the history behind the badge's development so that consumers of the badge can understand its history. When you have multiple badges, a badge could be version 1, the others is version 2 and 3. Version can be numeric or text
* Language: declare which language a Badge Object is expressed in.
* Image detail includes: author name, author email, author url, image caption



1. Fill in the form. Click ‘Create badge’ button

**Confirm that** you see the badge is created successfully, you see Overview, Edit details, Criteria, Message, Recipients, Endorsement, Related badges, Competencies tab appears.

1. Select Endorsement tab. **Confirm that** you see these fields

* Issuer name, email, website, date issued
* Claim URL and endorsement comment

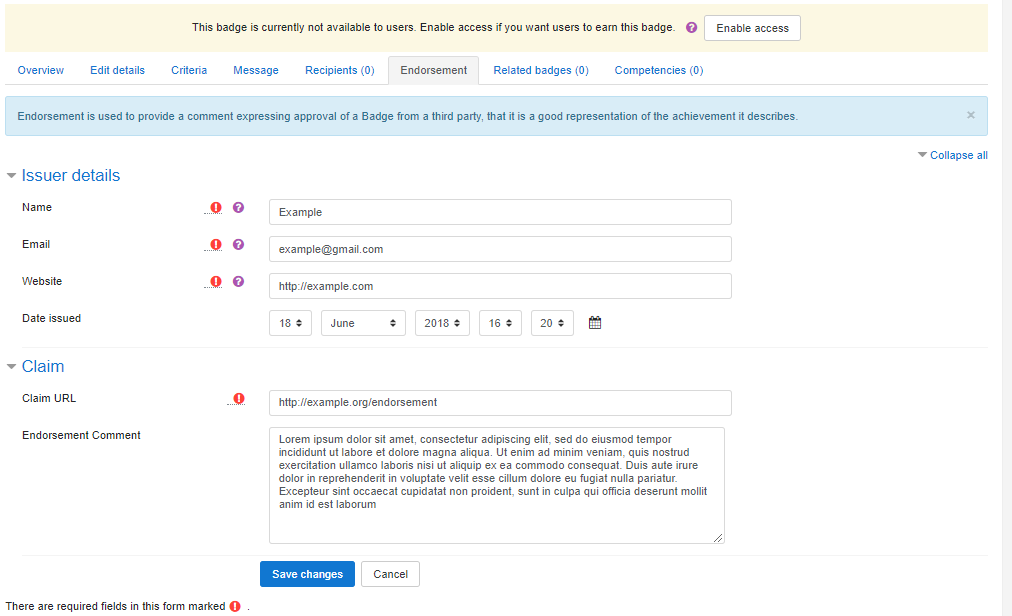
1. Fill in Endorsement form. Click ‘Save changes’ button

**Confirm that** endorsement details you have entered are saved successfully.

Note: Endorsement is used to provide a comment expressing approval of a BadgeClass, that it is a good representation of the achievement it describes.

There will be a third party or organization who endorses your badge, the new endorsement details below support us to embed endorsement details into badge class.

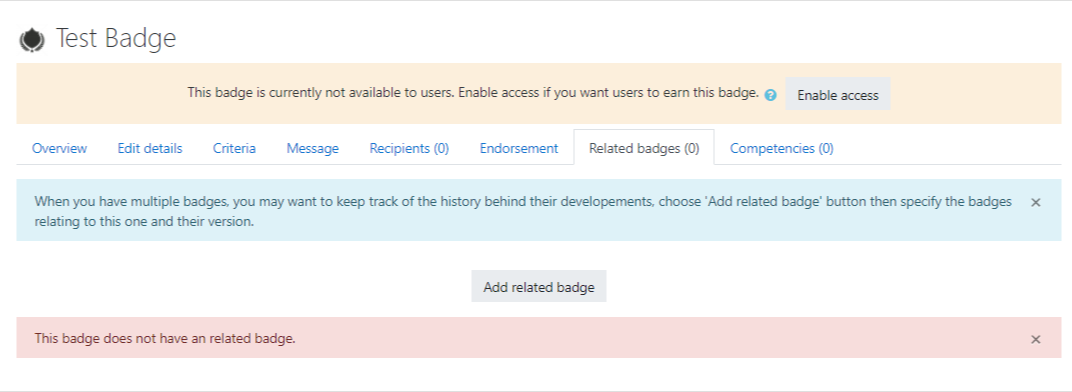
With Claim URL is the link from third party that contains endorsement information for issuer.



1. Select Related badges tab.

**Confirm that**

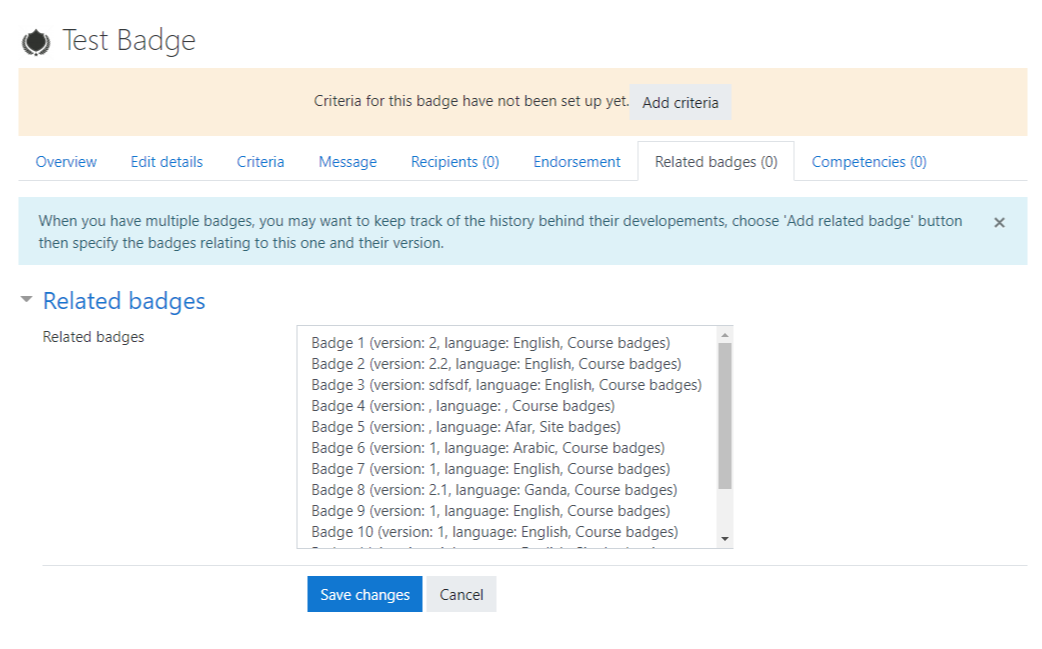
* 1. You see “This badge does not have an related badge” if not have an related badge.
  2. You see “Add related badge” button.



1. Click ‘Add related badge’ button. This screen allows us to specify relationship between badges

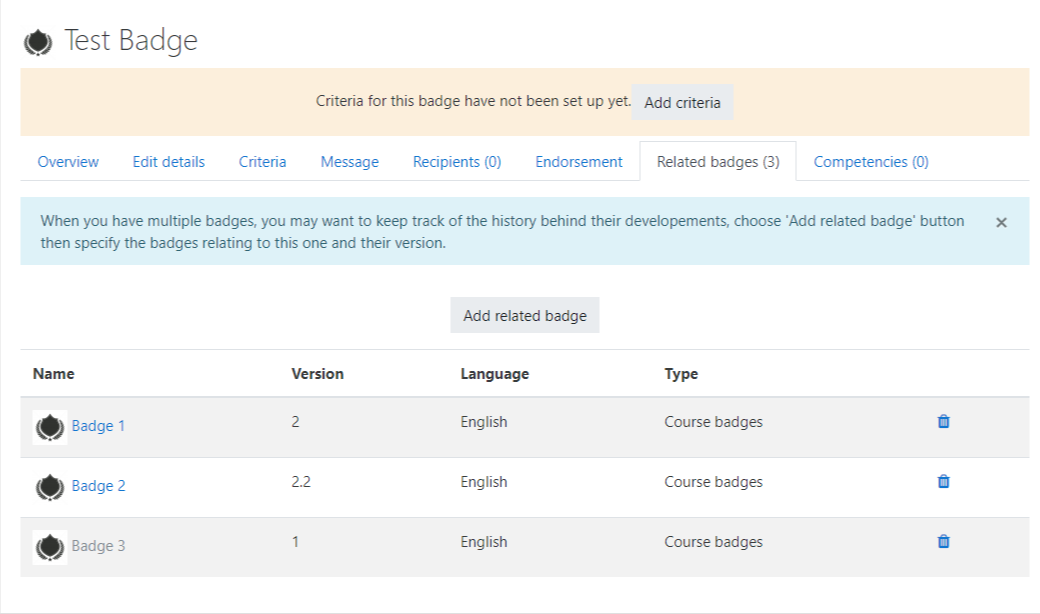
**Confirm that**

* 1. You see list the badges in multi-selectbox with name, verion, language and type badge



1. On this screen, we choose the badges related to the being created one. Click ‘Save changes’ button.
2. Go back to Related badge tab, **confirm that** you see the badges you chose are displaying with Name, Version, Language, Type and Delete icon

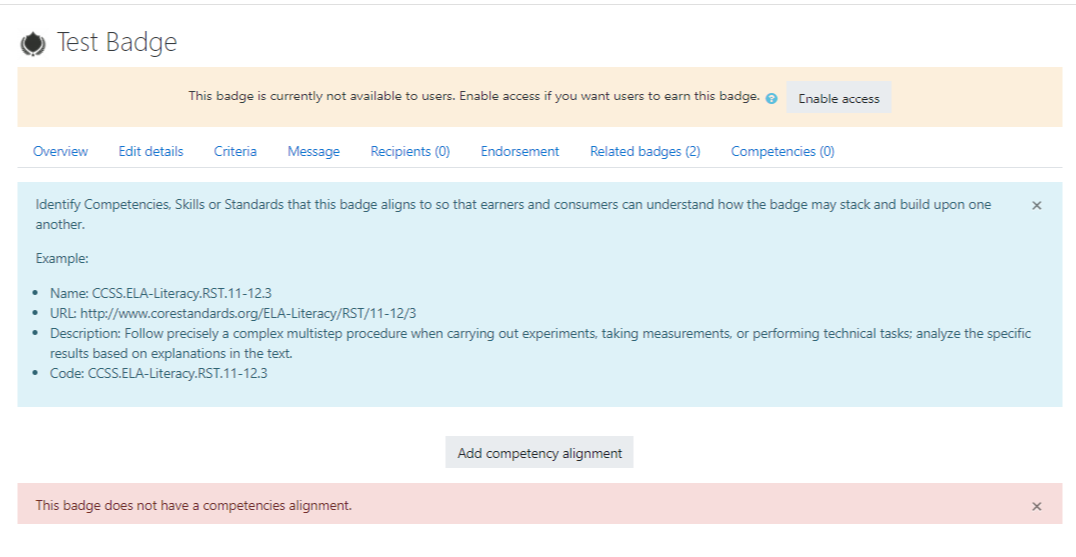
Note: you can remove a related badge by clicking on recycle bin icon



1. Select Competencies tab. This allows us to identify competencies, skills or standards that our badges align to so that earners and consumers can understand how the badge may stack and build upon one another.

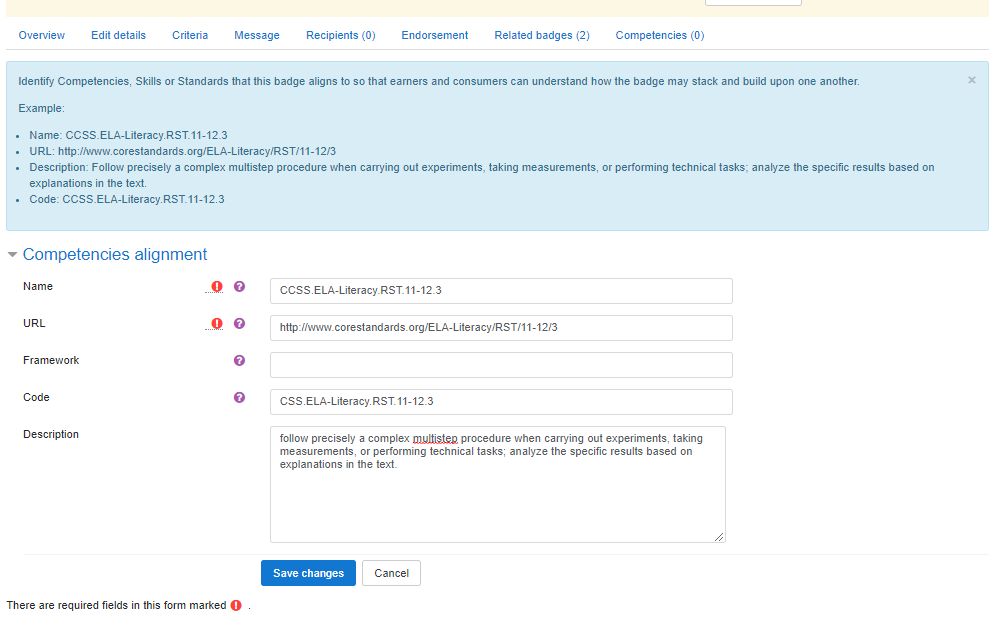
**Confirm that**

* You see ‘Add competency alignment’ button.
* You see ‘This badge does not have a competencies alignment.’ string if no have a competencies alignment.



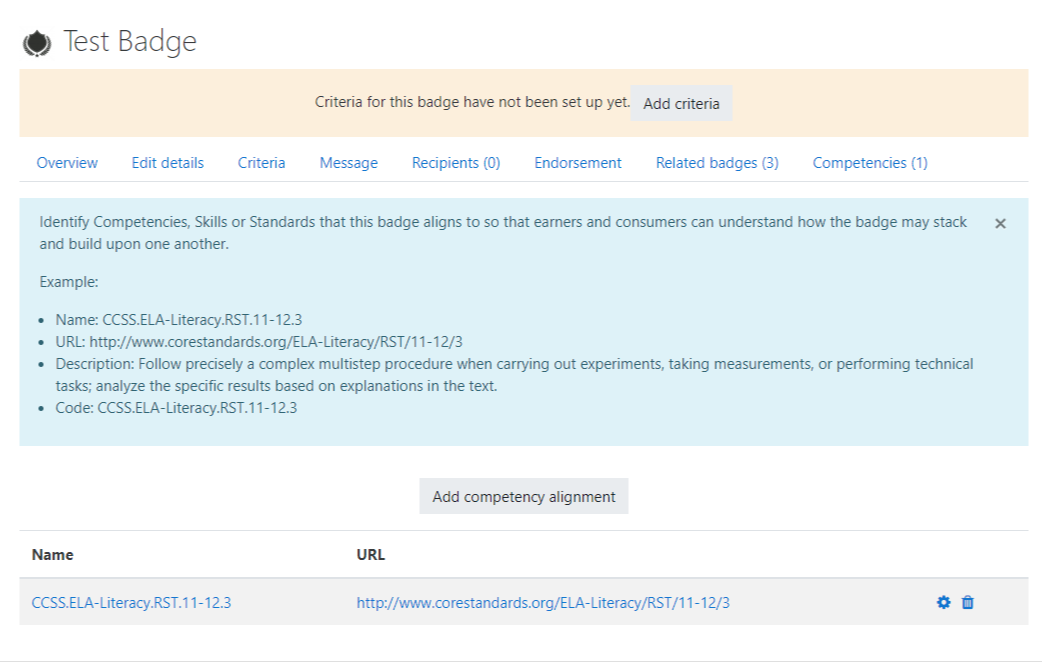
1. Click ‘Add competency alignment’ button

**Confirm that** Add competency form displays with these fields: Name, URL, Framework, Code, Description



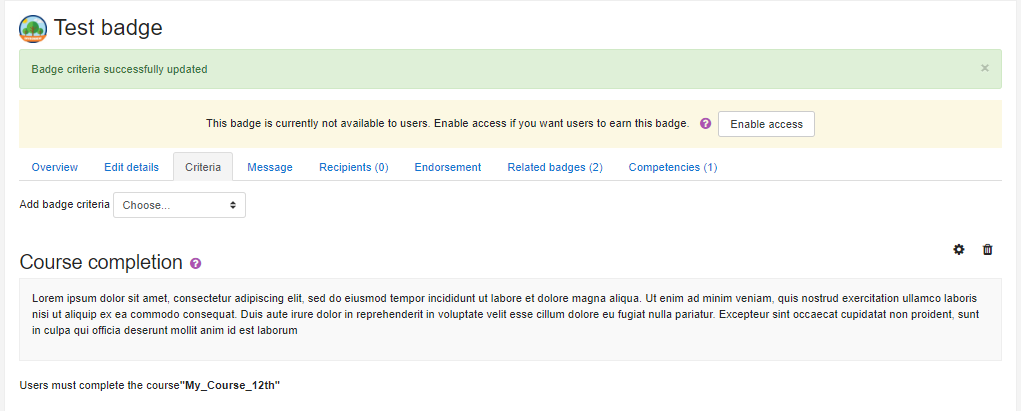
1. Fill in the form and click ‘Save changes’ button

**Confirm that** details are saved successfully and you are navigated back to competency screen with the competency detail you added displaying with Name, URL, edit icon and delete icon.



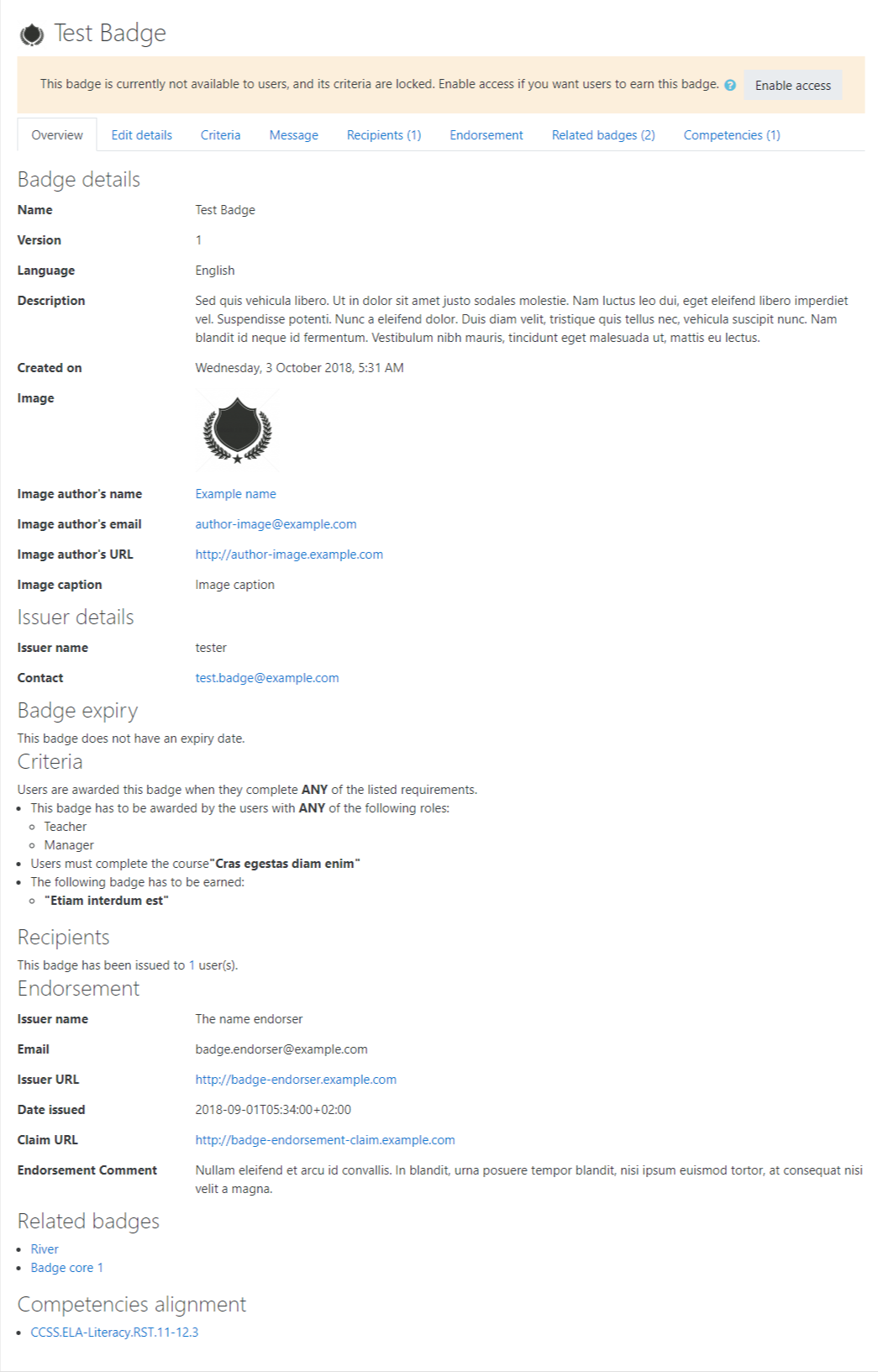
1. Select Criteria tab and define criteria (similar to v1). Click ‘Save changes’

**Confirm that** save successfully

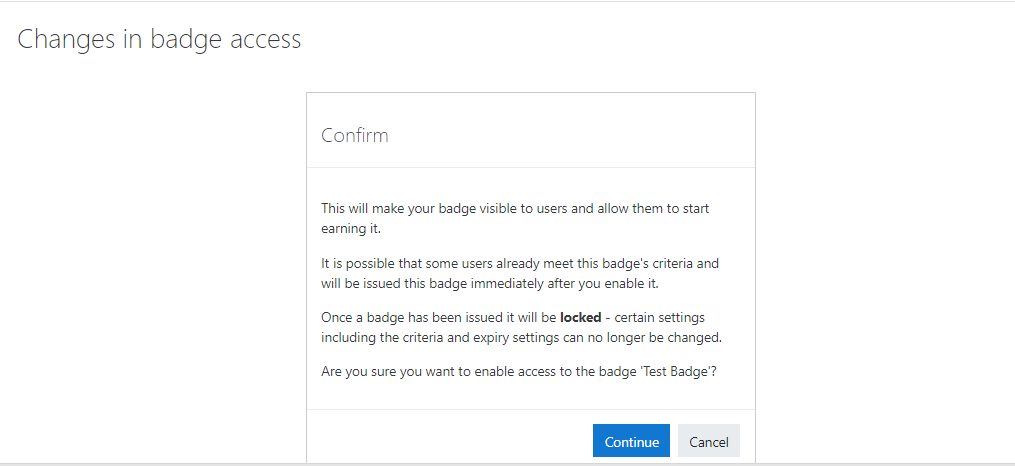


1. Select Overview tab

**Confirm that** you see details on other tabs display on Overview tab



1. Click ‘Enable access’ button. **Confirm that** you see this message



1. Click ‘Continue’, **confirm that** you see the badge is published

# 2. Verify detail of earned badge

Prereqs

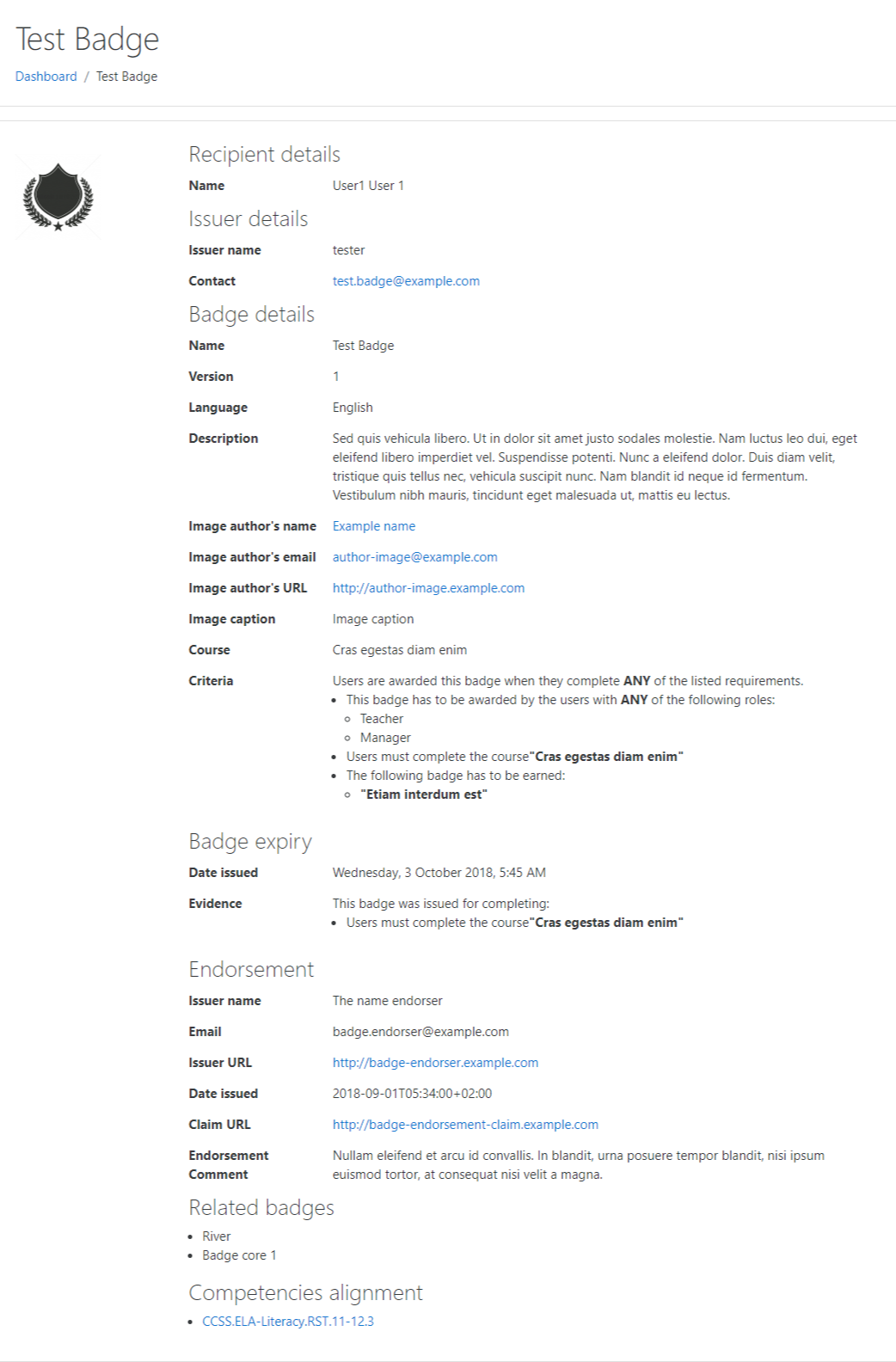
1. You have a course with badge was created
2. You have a learner account
3. **Important**: you enrolled on a course which has been setup a badge, complete the course and earn that badge

Verify detail of earned badge

1. Go to your profile, click to view badge detail

**Confirm that** you see these details:

* Your name as recipient
* Issuer name, issuer email
* Badge name, version, language, description
* Image author, caption
* Course name
* Course criteria
* Date issued
* Evidence
* Endorsement issuer name, URL, Date issued, Claim url, Endorsement comment
* List of related badge names
* List of competencies



# 3. Verify JSON data

Prereqs

1. You have a course with badge was created
2. You have a learner account
3. **Important**: you enrolled on a course which has been setup a v2 badge, complete the course and earn that badge

Verify JSON LD data of the badge

1. You call your site with relative path `badges/assertion.php` and with parameter `b = <hash>` to verify Open Badge for format json version 1 or add new parameter `obversion=2` to verify for Open Badge format json version 2.0

Example: <http://mysite.example.com/badges/assertion.php?b>=<hash>&obversion=2

1. View JSON data

**Confirm that** you see these details as

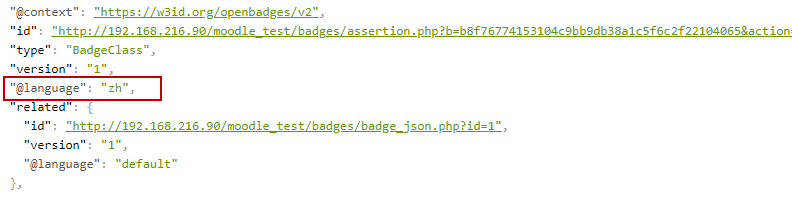
* You see uid, recipient, badge, verify, issuedOn, evidence for Open badge version 1
* You see id replace for uid, and extra data more details, badges class and issuer class to embedded in assertion for Open badge version 2



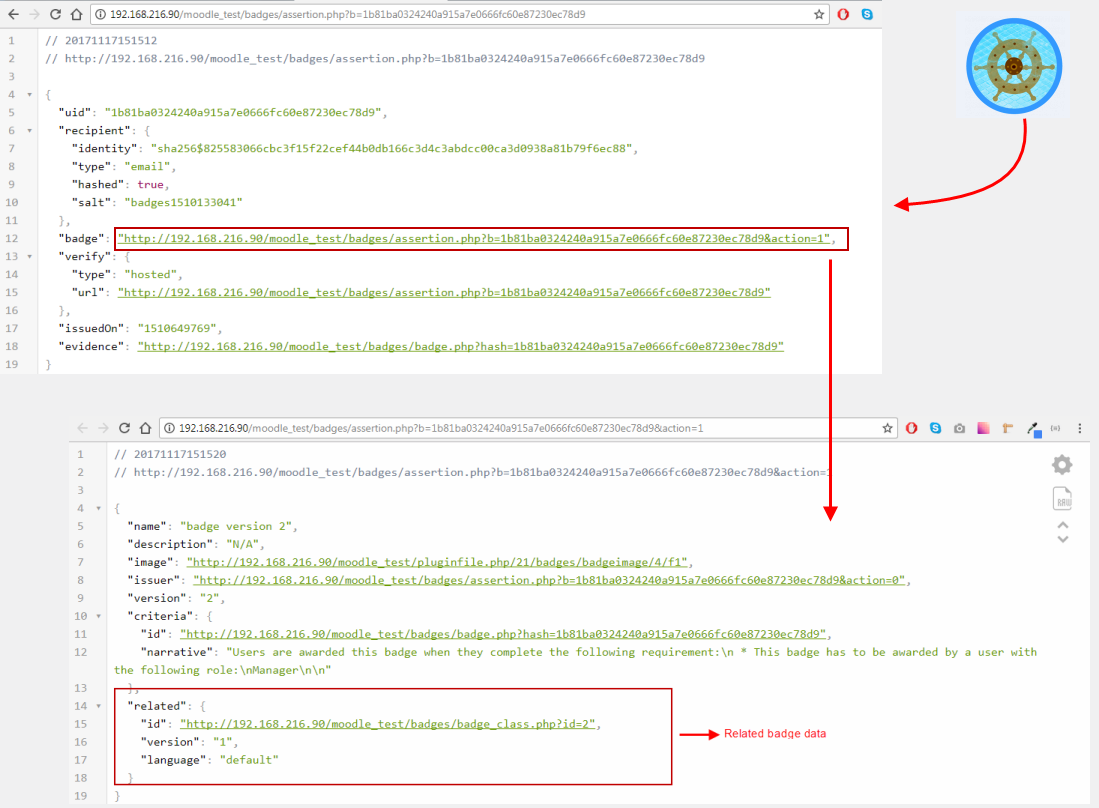
* Endorsement URL. Click on that URL, you’ll see issuer id name, email, url, claim id, endorsement comment and issued date



* Language



* Badge URL. Click on that URL, you will see id of related badge, its version and language



* Alignment details with Competency name, url, description, framework and code



3. Verify with openbadge validator core <https://openbadgesvalidator.imsglobal.org/>

1. Go to <https://openbadgesvalidator.imsglobal.org/> or setup and run openbadges-validator-core at your local
2. Use Assertion URL as step 2 input to the field Badge Object Reference Data and submit:

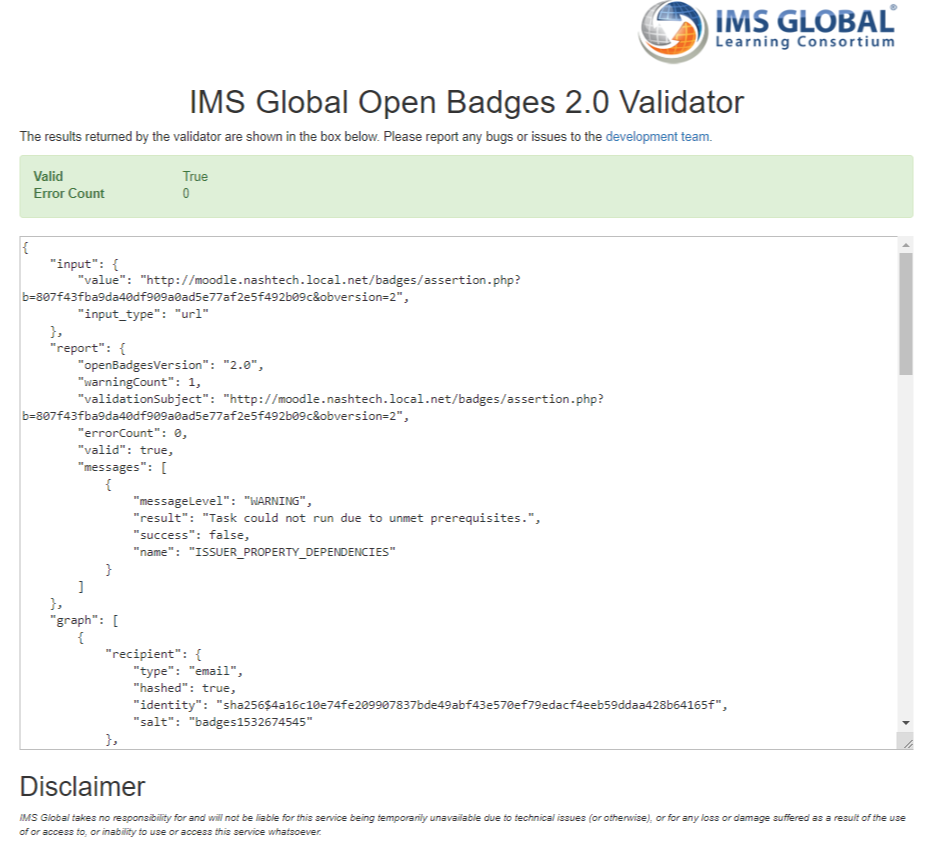
<http://mysite.example.com/badges/assertion.php?b>=<hash> for version 1

**Confirm that**

* You see notification `valid true` and `Error count 0`
* In JSON result, you see “openBadgesVersion”: “1.0” and more details another of Open Badge version 1

<http://mysite.example.com/badges/assertion.php?b>=<hash>&obversion=2 for version 2

* You see notification `valid true` and `Error count 0`
* In JSON result, you see “openBadgesVersion”: “2.0” and more details another of Open Badge version 2



# 4. Verify Backpack connect

You can access [here](https://tracker.moodle.org/browse/MDL-57429) to refer more details Testing Instructions.