

Open Badges for SlideWiki Requirements Specification

Version 1.0

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This document describes the customer's requirements for the project Open Badges for SlideWiki.

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1. PROJECT OVERVIEW

Learning happens everywhere. However it is often difficult to be recognized for skills and achievements that are gained outside of school. Open Badges for SlideWiki project is working to solve that problem by making it easy for anyone anywhere to issue, earn, and display badges in the SlideWiki. Badges are a special or distinctive mark, token, or device worn as a sign of allegiance, membership, authority, achievement, etc. The result will be broad recognition of the skills and the experiences.

2. SCOPE

The scope of this document is to ensure that the requirements for Open Badges for SlideWiki project are mentioned properly. This document serves the developers to plan, achieve milestone, to test and the like.

3. FUNCTIONAL REQUIREMENTS

REQ_ID	REQUIREMENT	COMMENT	PRIORITY
1	Implementation of Issuing Badges	Badges have to be successfully issued to the users who achieve their goals.	1
2	Implementation of Goals Classification	Goals can be successfully finishing the assessment or successfully finishing translation work.	1
3	Implementation of Badge Design	Badges which are digital representation, usually a .png file should convey the user's experience, skill learning achievement.	1

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4	Implementation of Displaying Badges	Users can choose what badges can be displayed in their profile.	1
5	Implementation of Combining Badges	Users should have the flexibility to combine all the badges they had obtained in order to tell their complete story of achievements.	2
6	Implementation of Verification of Badges	Users can be able to verify the badges (i.e) checking whether the badge is valid and issued correctly.	2
7	Documenting the Project	Creation of documentation about the Badges in SlideWiki.	1

3.1 DESCRIPTION

IMPLEMENTATION OF ISSUING BADGES

The users of SlideWiki have certain goals to achieve. The goal may differ from user to user in SlideWiki. When a user achieves his goals, the issuer should issue the corresponding badge to the user. The badges will represent the user's progress and their skill set. Here the issuer is SlideWiki. We should use ISSUER API to issue the badges.

IMPLEMENTATION OF GOALS CLASSIFICATION

The badges are issued based on goals. The goals cannot be same to all the users. In SlideWiki, there are two main goals. They are self-assessment and translation activity. In case of self-assessment the badges should be issued based on the grade achieve by the user. There should be different badges for different grades. In case of translation activity, the badges are classified based on the number of pages translated by the user. The ISSUER API should be able to decide what badge should be issued to the user based on this goals classification.

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IMPLEMENTATION OF BADGE DESIGN

Badges are a pictorial representation usually in .png file format. The badges should be designed in such a way; it should convey the information about the user's progress and his/her skills. The badges should contain the user's rank in completing an assessment or a translation activity. If a user outperforms in his activity, an addition rank can be given. In addition to this, the badge should display the name of the issuer. Here the issuer is always SlideWiki.

IMPLEMENTATION OF DISPLAYING BADGES

Once the ISSUER API issues a badge to the user, it is the DISPLAYER API which should make the badge display in the user's profile. In addition to this, if a user has a lots of badges to display in his/her profile then the user can select what badges should be displayed in the profile page. There should be a possibility to see all the badges of a user when the user selects only a few badges to be displayed in the profile.

IMPLEMENTATION OF COMBINING BADGES

There is a possibility for a user to earn lots of badges by completing their goals very fast. In such case, the user cannot display all the badges in his/her profile. The user should somehow omit some badges from being displayed. This may make the user feel that he cannot express all his achievements. Hence, the user should be able to combine all the badges he obtained into a single badge that represents all his current achieved goals.

IMPLEMENTATION OF VERIFICATION OF BADGES

When a user achieves his/her goal a badge will be issued to the user by the ISSUER API. The user before displaying the badge in his/her profile, the user should be able to verify that the issued badge is correct. The badge values should be correct with respect to the goal the user has achieved. In case, when the user sees a wrong badge issued to him/her, the user should be able to reject the badge. When the user rejects the badge, it is the responsible of the ISSUER API to issue again to the user the correct badge.

DOCUMENTING THE PROJECT

As always, documentation plays an important role in the projects. We have SlideWiki which is a OpenCourseWare. The activities carried out in this Open Badges project should be documented well and should be uploaded in SlideWiki. This documentation should be base in the extension of this project in the future. The documentation should explain well the architecture of the project the APIs used.

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4. SOFTWARES USED

- PHP
- APACHE
- MySQL
- JavaScript
- HTML

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