Learning Record Store Conceptualisation and Specification of Application and Data

WP 1.3 Requirement Analysis for Technical Features

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PACE VET
Digital Credential

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1. Introduction

Extensive research was carried out in order to define the technical requirements for the implementation of the requirements.

The results from the surveys of the various user groups (focus groups) described in WP 1.2 will be used to develop an application that allows its users to document their informal learning progress. The application should also be able to digitally store formal learning progress such as certificates and testimonials. Finally, the infrastructure should be able to map the so-called TeBeVAT process and guide the user through the competence validation process: uploaded artefacts, such as audio, photo or video files, should be able to be bundled into portfolios for external assessment, a communication structure should be set up to enable the user to get in touch with a contact person, and the progress of the certification should be visualized in the application.

Goals of the provider

A common denominator of the deficits in the events labor market is the importance of non-formal and informal learning. High levels of workplace learning and self-education throughout working life are an integral part of the biography of most employees in the events industry. The validation and recognition of prior, non-formal and informal learning at European level through micro-credentials would therefore contribute to a more inclusive, resilient, mobile and sustainable labor market in a fragile working environment.

Goals and benefits for the user

The advantages for an employee in the field of event technology are mainly the simple assessment of his professional skills and competences by the micro-credentials and thus also enables, for example, an easier change of employer or the generation of new job opportunities within the EU.

When developing our app and therefore the backend, the selection of the appropriate technology stack will be crucial to fulfil the specific requirements of our project and ensure long-term success. Each decision will be guided by factors such as performance, scalability, ease of maintenance and compatibility with our existing systems.

The requirements for the technologies are set out so that the goals can be achieved and a solid foundation for future growth can be formed.

2. System requirements

2.1 Description of the requirements

During the development of the PACE-VET application, several important technological decisions are made based on the specific requirements, objectives and future scalability of the project.

2.2 Requirements for the framework

The framework should provide a code base that is suitable for multiple platforms (Android, iOS, web and desktop) to reduce development time and costs and optimize maintenance without compromising performance or user experience and generate the widest possible reach.

2.3 Architecture of the app

The app should have a clear separation between front-end and back-end services, such as data beacons and authentication. Integration with other services, such as the European Digital Credential for Learning, is desirable.

2.4 Requirements for languages

As the app is aimed at European users, it should be possible to customize the language.

2.5 Error tracking

A system for reliable error tracking and monitoring is to be integrated to be able to rectify problems with the application as quickly as possible.

3. Release

As with all Erasmus+ projects, the results are openly accessible to all and are published on the website www.pace-vet.eu/results.

Strategic Report

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