

Czech University of Life Sciences Prague

Faculty of Economics and Management

Department of Information Technologies



Bachelor Thesis Abstract

Open Data in public administration: a web application

Mario Nivardo Villanueva Duran

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Summary

This thesis attempts to explore and provide an overview of Open Data in a public administration and its current applications. In this new century many citizens no longer accept the passive stance representative democracy held for them. Open Government is to be seen in the context of citizens' rights: the right to actively participate in the process of agenda-setting and decision-making.

The goal of this thesis is to make a literature review of the current state of Open Data use in public administration and a brief review of the current applications using open data in Czech Republic.

Key words: Open Data, Public Administration, Open Access, Open Knowledge, Easily Accessible, Universal Participation, Reuse and Redistribution Data.

Extended Abstract

The Bachelor thesis is focused on Open Data of Ministry of the Interior of the Czech Republic. Foreigners living in Czech Republic must apply for a Biometric Residence Permit once a year. This tedious process, which takes between three and five months, is mandatory for all foreigners. During these months the Ministry of the Interior publishes, on its official website an updated Excel file once a week, which contains all approved applications for temporary, long-term and permanent residencies and employee cards in Czech Republic. After downloading and opening the attached Excel file, the application number must be found manually using the receipt number. This searching process is tedious work for those without experience in using this type of file format or just do not have enough time to search it.

Goals

Aim of this Bachelor thesis is analyze and design user-friendly web application to make the searching process faster and easier based on Open Data of Ministry of the Interior of The Czech Republic.

Evaluating the developed application and formulating conclusions

Methodology

Methodology is based on the study and analysis of literature on Open Data in the public administration, accounting for all advantages and disadvantages. The practical part is focused on analysis and design of a web application based on an open dataset from the Ministry of the Interior of the Czech Republic. Final conclusions will be constructed with a synthesis of theoretical knowledge and practical outcomes.

Conclusion

The main goal of the thesis was to analyze and design a user-friendly web application to make the searching process faster and easier based on Open Data of Ministry of the Interior of the Czech Republic. The application was developed successfully with a simple user-friendly interface, covering the requirements proposed by the interviewed users. Hoping all foreigners who are daily applying to prolong the Biometric Residence Permits can use the new proposed system in the very near future.

Partial goal of this thesis was a literature review of current state of Open Data use in public administration. There was made a brief analysis of public entities such as: Ministry of the Interior of The Czech Republic, Czech Statistical Office, Otevrenadata.cz, Nadace Open Society Fund, Data blog and Open Government Partnership (OPG). OPG is an international initiative supporting openness and transparency with 65 countries around the world including Czech Republic. The current applications using Open Data in Czech Republic developed by Opendata.cz was also mentioned.

The goal of this proposed system “*Status of my application CZ*” as any other systems is to be updated according to the new users requirements. The next closest target is to develop a multiple languages platform, because in Czech Republic are many foreigners from different countries, so it is necessary a multiple languages service.

In order to make users able to use this new proposed system, it has been engaged in a conversation with the Ministry of the Interior, specifically with the department that provides and updates the results of approved applications.

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