The Information System Project is the Organization of International Passenger Transportation

Oles-Yuriy Kurilyak, Yaroslav Kis, Yurii Matseliukh

Lviv Polytechnic National University, Lviv, Ukraine

Environmental information systems occupy a significant place in the 21st century. Not only does new technology do the physical work in factories, but it also makes life easier for everyone. Progress is made not every year, but every day, and smartphones are an integral part of the modern man as a watch, because it performs many functions - it reminds, rings, wakes, buys, informs. Also, do not forget about the World Wide Web, as it is cleverly built and organized for smartphones. Not surprisingly, software development is now focused on mobile development. You can do just about anything with your mobile phone and tablet. The purpose of my software is to simplify the difficult process of booking and arranging international passenger transportation. Convenience is easy access to create or edit international transfers.

Basically the phone will serve as a tool for you to build and implement your ideas and plans to create one or the other transfer.

Ideally, this system has 2 branches - one for the consumer, in this case for the passenger and the other for the driver. The creation of this application provides first of all time saving for the consumer, convenience in the payment procedure, the choice of route, as well as the establishment of work for a safe and convenient transfer.

The purpose and objectives of the study

- 1. Analysis of the literary sources of this subject area.
- 2. Carrying out a systematic analysis of the problem and subject area and justifying the possibility of its solution.
 - 3. Analysis and study of project requirements.
 - 4. Project implementation planning.
 - 5. Implementation and tracking of the project implementation.
- 6. Project completion, analysis of results and compliance with design requirements [2]

The idea behind the program is to create an autonomous system for the organization of international transportation, registration and booking of the route, familiarization with the trip plan, payment. In the real-time system, it is planned to show alternative routes, create orders online, create a module for payment, a user profile, and display the history of "orders".

Thus, an alternative version of the application with broader functionality was developed. The idea and features of the program were described, ways to solve problems.

313

COLINS'2020, Volume II: Workshop. Lviv, Ukraine, April 23-24, 2020, ISSN 2523-4013 http://colins.in.ua, online

References

- 1. Rest On, https://reston.com.ua/
- 2. Information technology. Information Systems, http://sophus.at.ua/publ/2013_12_19_20_kampodilsk/sekcija_7_2013_12_19_20/informacijni_tekhnologiji_v_suchasnomu_sviti/49-1-0-863.
- Mochurad L., Boyko N., Bortnikova M.: Parallel Approach of the Algorithm of Finding the Optimal Solution of the Transport Problem by the Method of Potentials. In: Computational Linguistics and Intelligent Systems, COLINS, CEUR workshop proceedings, Vol-2604, 952-963. (2020).
- Bublyk, M., Matseliukh, Y., Motorniuk, U., Terebukh, M.: Intelligent System of Passenger Transportation by Autopiloted Electric Buses in Smart City. In: Computational Linguistics and Intelligent Systems, COLINS, CEUR workshop proceedings, Vol-2604, 1280-1294. (2020).
- Boreiko, O. Y., Teslyuk, V. M., Zelinskyy, A., Berezsky, O.: Development of models and means of the server part of the system for passenger traffic registration of public transport in the "smart" city. In: Eastern-European Journal of Enterprise Technologies, 1(2-85), 40-47. (2017)
- Lytvynenko, V., Savina, N., Krejci, J., Voronenko, M., Yakobchuk, M., Kryvoruchko, O.: Bayesian Networks' Development Based on Noisy-MAX Nodes for Modeling Investment Processes in Transport. In: CEUR Workshop Proceedings, Vol-2386, 1-10. (2019)
- Matseliukh, Y., Vysotska, V., Bublyk, M.: Intelligent System of Visual Simulation of Passenger Flows. In: Computational Linguistics and Intelligent Systems, COLINS, CEUR workshop proceedings, Vol-2604, 906-920. (2020).
- 8. Yurynets, R., Yurynets, Z., Dosyn, D., Kis, Y.: Risk Assessment Technology of Crediting with the Use of Logistic Regression Model. In: Computational linguistics and intelligent systems, COLINS, 153-162. (2019)
- 9. Berko A. Logistic Functionally Model of Commercial Content Processing / Andriy Berko, Victoria Vysotska, Lyubomyr Chyrun // Computer Science and Information Technologies: Proc. of the VIII-th Int. Conf. CSIT'2013, 11-16 November, 2013, Lviv, Ukraine. Lviv: Publishing Lviv Polytechnic, 2013. P.36-39.
- Berko A. Functionally logistic model of commercial content processing / Andriy Berko, Victoria Vysotska, Lyubomyr Chyrun // Комп'ютерні системи проектування. Теорія і практика, Вісник Національного університету "Львівська політехніка". – № 777. – Львів 2013. – Стор.30-38.
- 11. Vysotska V. Comprehensive method of commercial content support in the electronic business systems / Victoria Vysotska, Lyubomyr Chyrun, Liliya Chyrun // Комп'ютерні системи проектування. Теорія і практика, Вісник Національного університету "Львівська політехніка". № 777. Львів 2013. Стор.21-30.
- 12. Lytvyn, V., Vysotska, V., Demchuk, A., Demkiv, I., Ukhanska, O., Hladun, V., Kovalchuk, R., Petruchenko, O., Dzyubyk, L., Sokulska, N.: Design of the architecture of an intelligent system for distributing commercial content in the internet space based on SEOtechnologies, neural networks, and Machine Learning. In: Eastern-European Journal of Enterprise Technologies, 2(2-98), 15-34. (2019)
- 13. Kersten, W.: The Digital Transformation of the Industry the Logistics Example. In: 1st International Conference Computational Linguistics and Intelligent Systems, COLINS, http://colins.in.ua/wp-content/uploads/2017/04/CoLlnS_TuS.pdf. (2017)

314

COLINS'2020, Volume II: Workshop. Lviv, Ukraine, April 23-24, 2020, ISSN 2523-4013 http://colins.in.ua, online