

E-ticket - electronic ticket sales system

Project description in English:

The objective of the project includes the preparation of a ticket sales and ticket management system based on secure technology and regulation system as well as the creation of the relevant prototype, which system offers long-term direct and indirect social and economic benefits for the users of the system and for those who apply the technology in connection with ticket management.

The rapid development of information technology has made the management of on-line ticket orders, payment and ticket generation possible. The implementation of the specific system requires solutions to a number of problems. Several big projects have shown that the final introduction requires the preparation of prototypes and models which form a good basis for the construction of a high-volume system. The implementation opportunities are well illustrated in a prototype, and the low-budget project allows the preparation of the optimal system. In this project the aim we set was the creation of such a prototype. The future success is also supported by the fact that the project involves many highly professional organisations and institutions, as well as a college used as a research site to carry out the research needed for the ticket storage solutions. The planned prototype uses modern IT devices (chipcard, chipcard reader/writer) and involves the use of the Internet as well. The preparation is assisted by the organisation involved in the ticket management thus supporting the consideration of real problems during the creation of the theoretical model as well as that of the prototype. The aim of the solution to be developed is to give a general definition of the requirements of modern ticket sales systems, which will prevent the companies using the system from making multiple investment for development and the customers from the obligation of purchasing new and different equipment. Due to the general nature of the system to be developed, connection will only be necessary to the individual application points; the end-users' device will, therefore, be capable to carry and use the tickets purchased at the application points. The system to be developed can immediately be used in a wide range of areas (e.g. in rail and long-distance travel, during the purchase of theatre, cinema and concert tickets), thus providing a contribution to make the information technology more generally accepted and to build the information society.