

DigLogs

WP5 Pilot implementation

Test Cases

User documentation

Post deployment evaluation

5.2.3. App for data flows management

Responsible partner: Port of Šibenik Authority (PP8)			
Involved partners: All			
Version	Status	Date	Author
0.1	Final	07.07.2021	Aksentijevic Forensics and Consulting, Ltd.
Notes:			

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1 Test cases

A test case is a document, which includes test data, preconditions, expected results and post conditions, developed for a particular test scenario in order to verify compliance against a specific requirement, and in this case functional specification. Test case acts as the starting point for test execution. Test scenarios include all aspects identified during project planning phase: unit testing, integration testing, system testing, performance testing and user acceptance testing.

Critical test cases tested for PP8’s pilot project are divided to several distinct components: Web client, PC application, and mobile application. Tested functionalities are presented and designated with PASS (functions as designed) or FAIL (does not function as designed; required amendments and/pr bug fixing).

Web client test cases

Nr.	Function	End result
1	Log in	Generated record in the database, generated user data, <i>username</i> and <i>password</i> (encrypted) PASS
2	Selection of the user category according to the regulations (selection of the article/service)	Determined exact product (ID card) being sold PASS
3	Electronic data entry (table 2 shows minimum required data for daily entry ID card)	Created ID permit request that will be forwarded for relevant checks and approvals, followed by the status of the automatic approval PASS
4	Creation of the product selection	Shopping cart is populated with the product, followed by payment or abandoning the process. PASS
5	Product (ID card) payment	Allowed set of data is entered in the payment forms. The user is following recommendations of the payment web page. The system does not remember entered credit card data. PASS

6	Product (ID card) activation	E-mail or SMS, payment receipt notes along with the bill or link where the bill can download and the voucher (product, ID card) with required protection elements (QR code) are forwarded. The ID card (pass) can be printed or displayed using smartphone. PASS
7	User account status	Account overview, overview of the purchased products, overview of activities, ID card status. Enabled change of some product attributes. PASS

PC application test cases

Nr.	Function	End result
1	Login/logout	User logged in according to role defined rules for application utilization. User logged out. PASS
2	Overview of the basic data	Populated during system introduction, displayed to the user. PASS
3	Overview of the business process parameters	Not accessible to the end user. Accessible to the administrator. PASS
4	Field data	Data in the database is entered for proper application functioning PASS
5	Other technical application settings	Set up in the broader sense, customization of the user requirements enabled. PASS
6	Article overview (list)	The article has attributes, according to the valid regulation PASS

7	Overview and request management	Status of approval or denial of the police shown separately from the police and other denials PASS
8	Dynamic overview of the ID card use INDIVIDUAL AND GROUP	Record and on-line overview of ingress-egress operations works. Overview of number of vessels in different locations, graphic overview with map visualization functions. Statistics of ingress, egress and time spent at locations work. In a separate overview, activities by a single ID pass (number of entries and exists and locations) function. PASS
9	Overview of the field events and Research function	Overview of all check points where a vehicle with certain registration plate is registered PASS
10	Others	Bill entry functions considering that the application will issue offers PASS
11	SMS and e-mail notifications	Menu for creation of the group permits according to certain criteria displayed. Works also for ID permit type and all other parameters like announced time of arrival PASS

Police (Ministry of Internal Affairs) PC application test cases

Nr.	Function	End result
1	Log in / log out	User logged in according to role defined rules for application utilization. User logged out. PASS

2	Overview of requests using chronological order with possibility of filtering according to all fields	<p>In case of change of the data entered in the request (new validity time or different vehicle license plate) resubmit of the request for approval works. Requests highlighted for processing speed.</p> <p>PASS</p>
3	Search: comparison of requests	<p>Overview of all requests that contain the same license plate or the same physical person or legal entity dispatching a vehicle function. Possibility of a mass approval withdrawal – cancellation for all requests and ID passes connected to a certain license plate, person, date or time enabled.</p> <p>PASS</p>
4	Request to amend already issued request	<p>In case that this function is developed, internal logic for subsequent follow up and resubmission for approval works properly.</p> <p>PASS</p>
5	Reporting	<p>Overview of log in time for officers, overview of approvals in time period and per officer function properly. Overview of rejected requests works.</p> <p>PASS</p>
6	Overview of the field events	<p>Overview of all check points where a vehicle with certain license plate was registered checked, functions properly.</p> <p>PASS</p>
7	Processing of a separate request	<p>Used during escalations and complaints. Works properly,</p> <p>PASS</p>
8	Possibility of listing, printing and data export to PDF, Excel and text	<p>Tested and functions properly.</p> <p>PASS</p>

Android application test cases

Nr.	Function	End result
1	Log in / log out	Log in to program: user is police officer of security (safety) officer (official with reading and processing rights) PASS
3	Search	Simplified version of the “search” function tested, returned records according to entered criteria. PASS
4	Request overview	Overview and possibility of change valid requests and ID pass or group of ID passes based on the common data, spatial, time or personal preference tested, works properly. PASS
5	Search: request comparison	Tested comparison of the new and old request based on the same data element, functions properly. PASS
6	Record of the field overview	Tested that every request need is recorded (similar to the requests for the communal parking facilities), functions properly. PASS

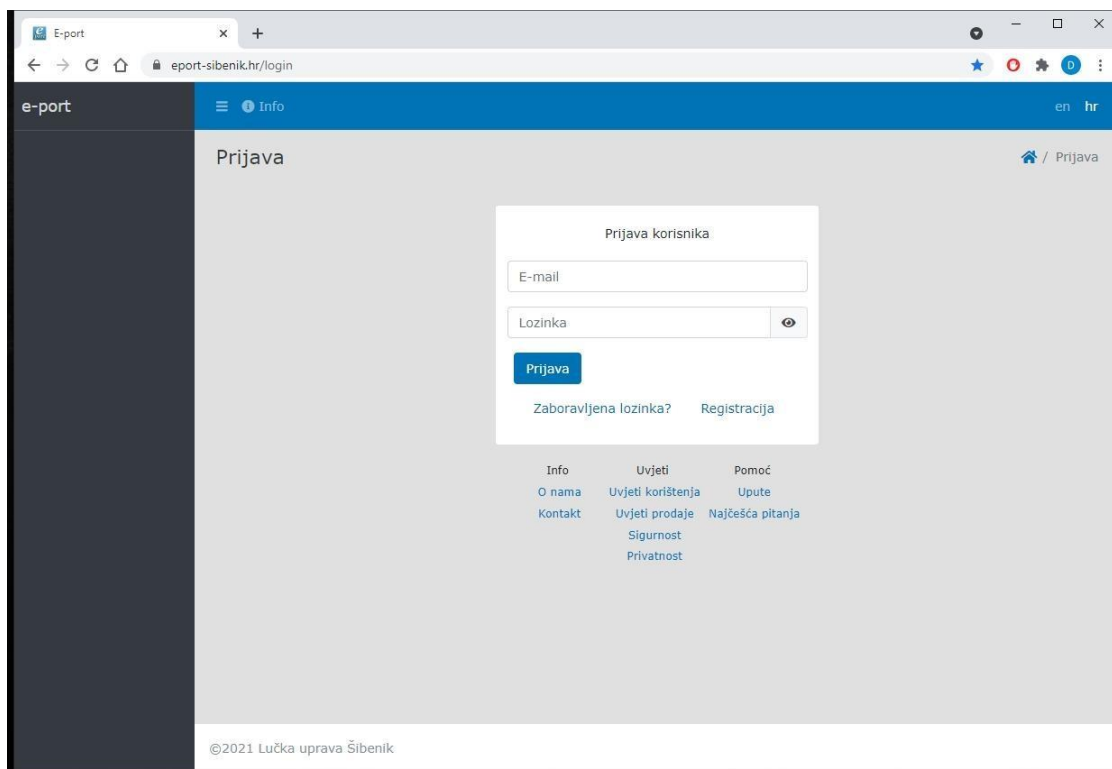
As evidenced from the logs relevant to four identified distinctive modules that were developed, no errors were identified during final acceptance testing and it is designated as successful.

2 User documentation

E PORT END USER'S MANUAL

Persons and vehicles access control system in the Port of Šibenik Authority area

The e-port system can be found at the Internet address <https://eport-sibenik.hr>.



The system consists of the following units:

1. New user registration
2. Login of the existing user
3. Forgotten password

4. Review and entry of the persons data
5. Review and entry of the vehicles data
6. Review and entry of the access requests

1. NEW USER REGISTRATION

When the user first accesses the system page, registration is required. Once registered the users can access all their data at any time. Registration is required to avoid misuse by the unauthorized users.

The entered e-mail address is used for the user activation, login to the system and to receive notifications and documents. It is important that the registered e-mail address is correct and active.

Registracija

Tip korisnika * FIZIČKA OSOBA PRAVNI SUBJEKT

Ime i prezime (Naziv) *

Država *

Mjesto i pošt. broj *

Ulica i kućni broj *

E-mail *

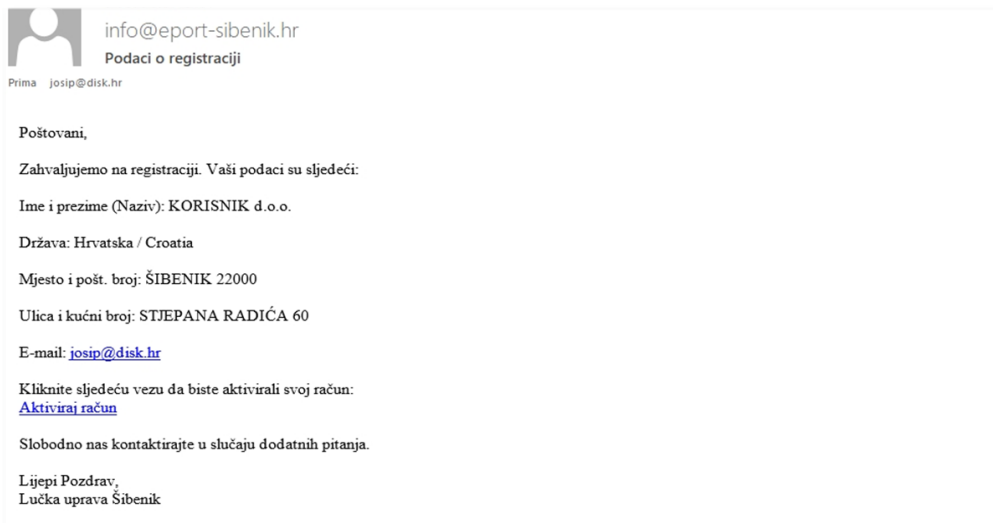
Lozinka *

Jačina: 59%

Potvrda Lozinka *

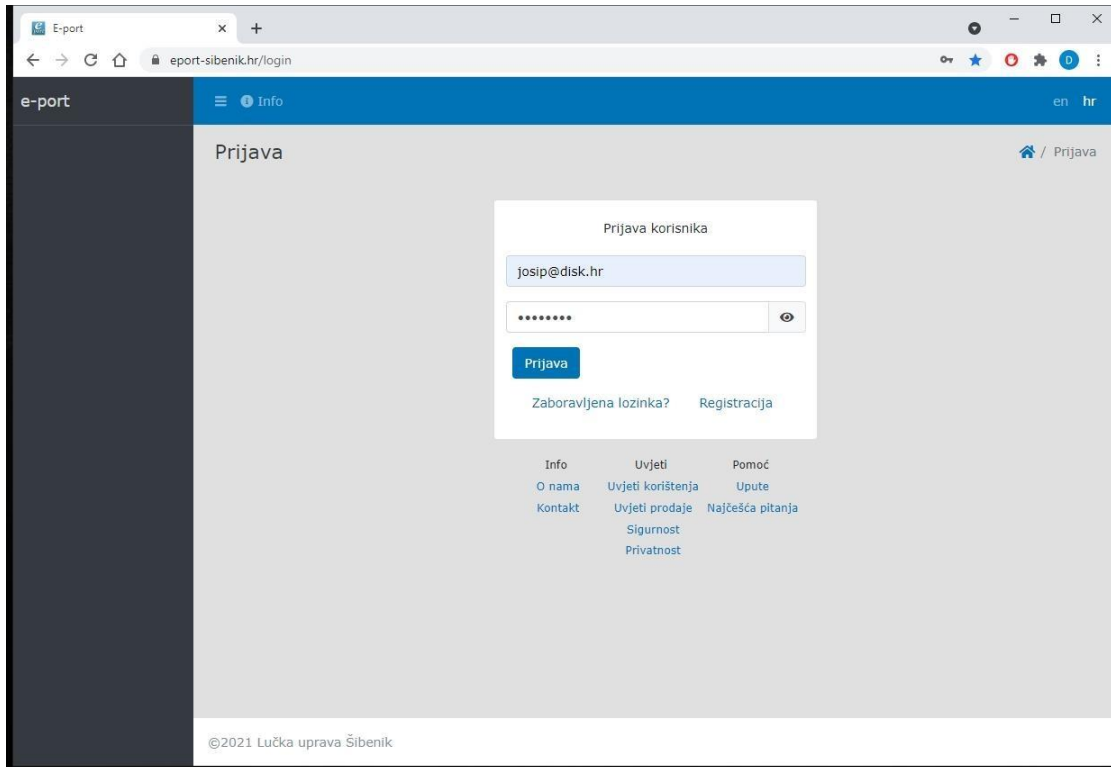
Data marked with * are required.

After entering the data in the registration form, the user receives an e-mail containing the account activation link [Aktiviraj račun](#). After account activation the user can log in to the system.



2. REGISTRATION OF THE EXISTING USER

Login to the system is done with a registered e-mail address and a registered password.



In the case that data is incorrectly entered several times in a row, system will be locked for a while and user should wait for a re-login.

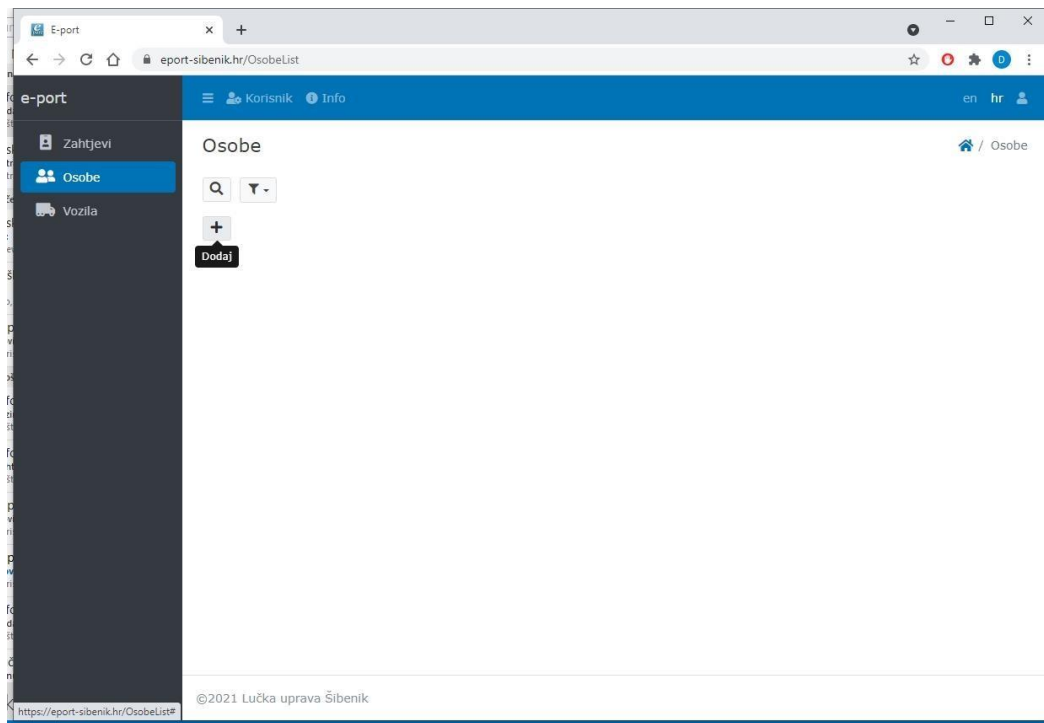
3. FORGOTTEN PASSWORD

In the case that user cannot log in to the system because of the inappropriate password, click on the Zaboravljena lozinka? opens a dialog in which user should enter the registered e-mail address because the system will send a link to reset the password.

4. REVIEW AND ENTRY OF THE PERSONS DATA

Before entering an access request, user should enter the persons and vehicles data. Once entered, persons and vehicles data will always be available to create a new access request.

Data entry for the new person is started by clicking on the button + (add)



The dialog for a person data entry consists of the 2 pages.

Dodaj

Stranica 1 Stranica 2

Ime * IVANO

Prezime * JURILIĆ

Datum rođenja * 02.01.1967

Mjesto rođenja ŠIBENIK

Država * Hrvatska / Croatia

Mjesto prebivališta hr

Adresa i kućni broj * Bahrain
Christmas Island
Hrvatska / Croatia

Dodaj Odustati

Dodaj

Stranica 1 Stranica 2

E-mail

Osobna isprava * Osobna iskaznica Putovnica Radna dozvola

Broj osobne isprave * HR3456764

Datum izdavanja * 12.10.2000

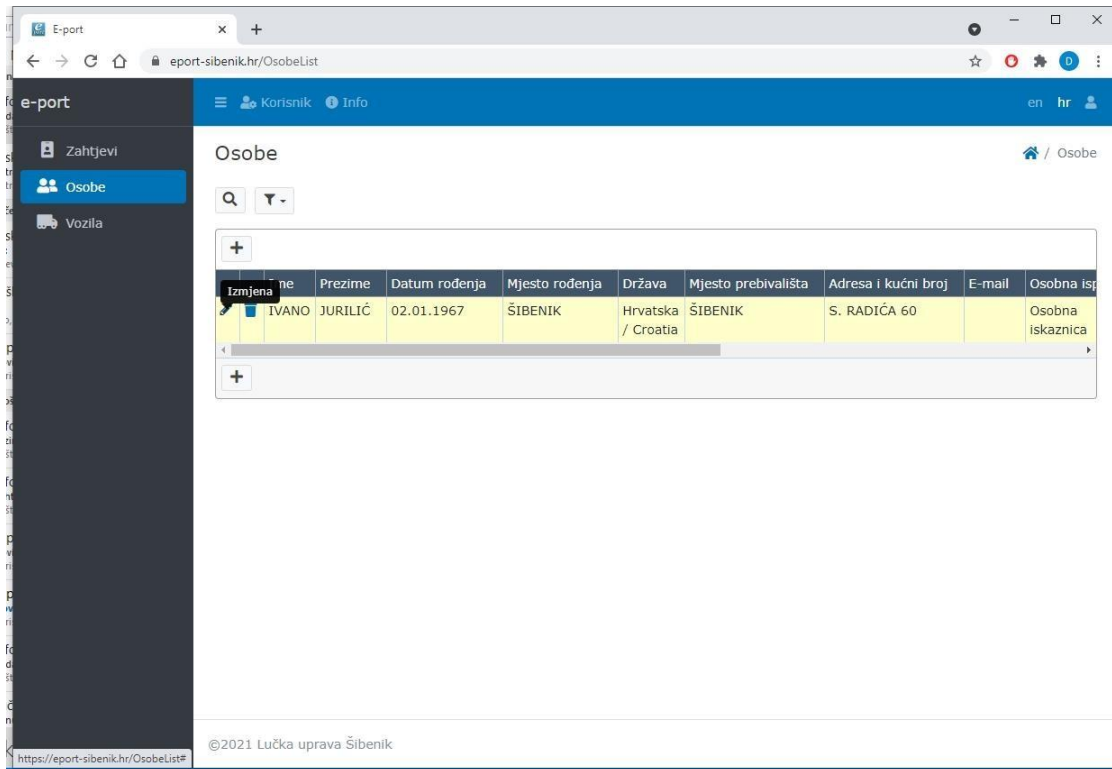
Mjesto izdavanja * ŠIBENIK



Datum važenja * 29.12.2025

Izdano od * PU ŠIBENIK

Dodaj Odustati

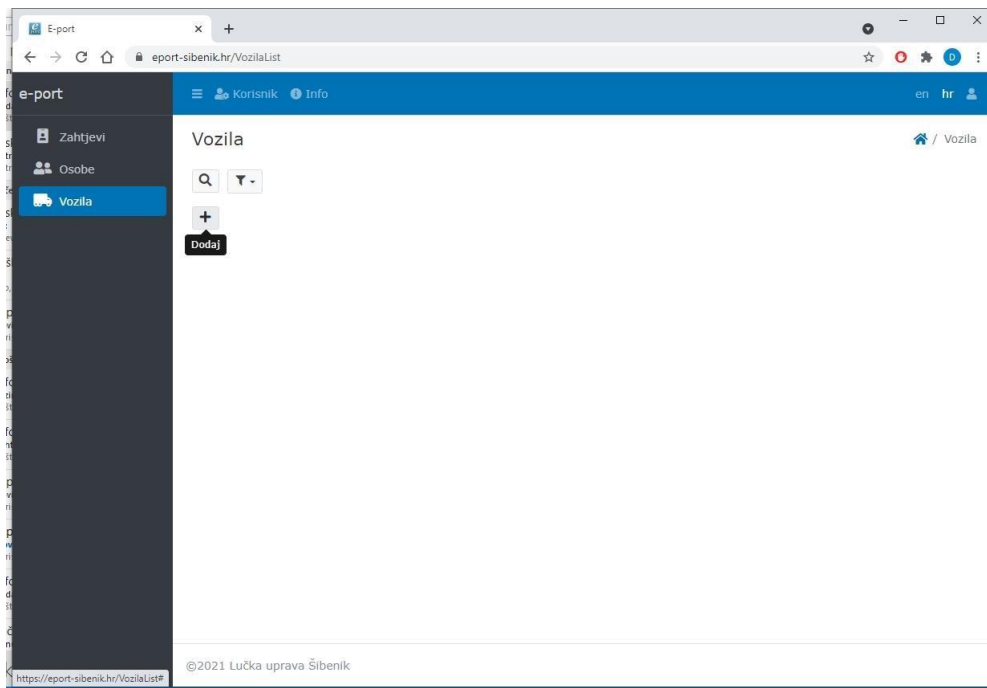
Data marked with * are required. All entered data should be accurate and credible. Part of the data is forwarded to the Ministry of the Interior (MUP) system.



The entered data can be changed by clicking on the . Clicking on the  deletes the selected data. All data may be deleted until it is recorded in the request.

5. REVIEW AND ENTRY OF THE VEHICLES DATA

Data entry for the new vehicle is started by clicking on the button + (add)



Dodaj


Vrsta vozila * OSOBNO TERETNO PRIKOLICA AUTOBUS MOTOCIKL OSTALO

Registracija *

Marka i tip *

Prometna dozvola *

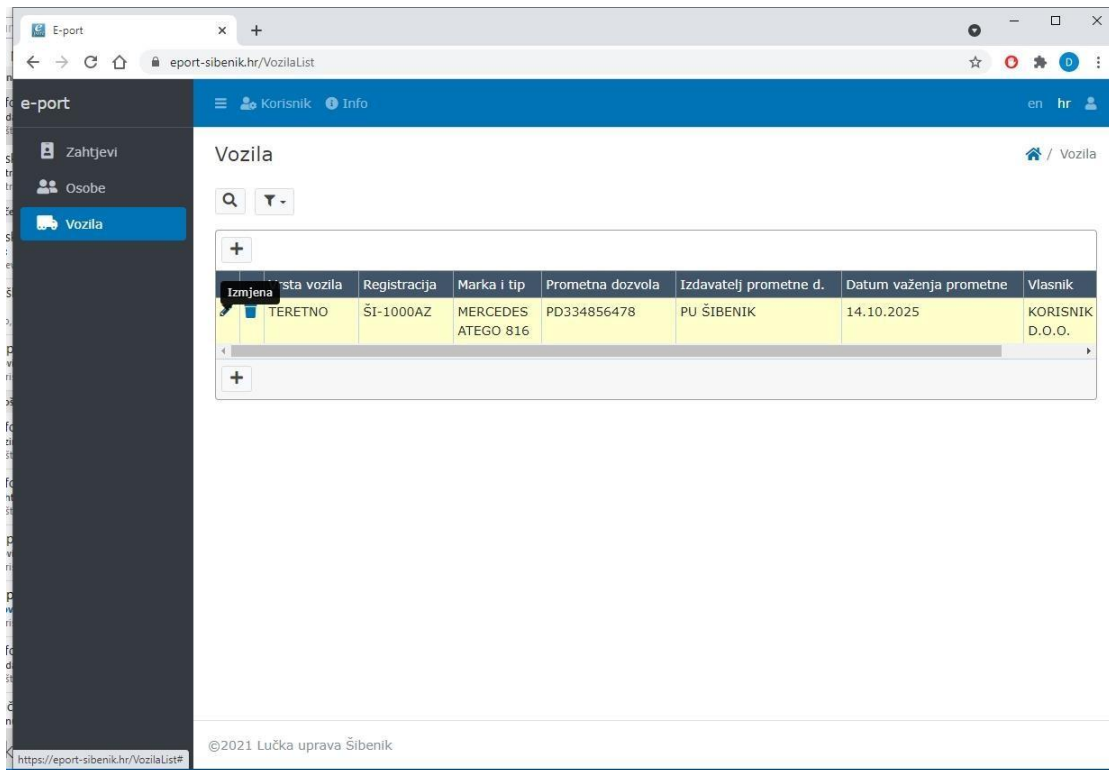
Izdavatelj prometne d. *



Datum važenja prometne * 

Vlasnik *

Dodaj

Odustati



Entered data can be changed by clicking on the . Clicking on the  deletes the selected data. All data can be deleted until it is recorded in the request.

6. REVIEW AND ENTRY OF THE ACCESS REQUESTS

Entering a new access request for a previously entered person or vehicle is started by clicking on the button + (add).

Dodaj

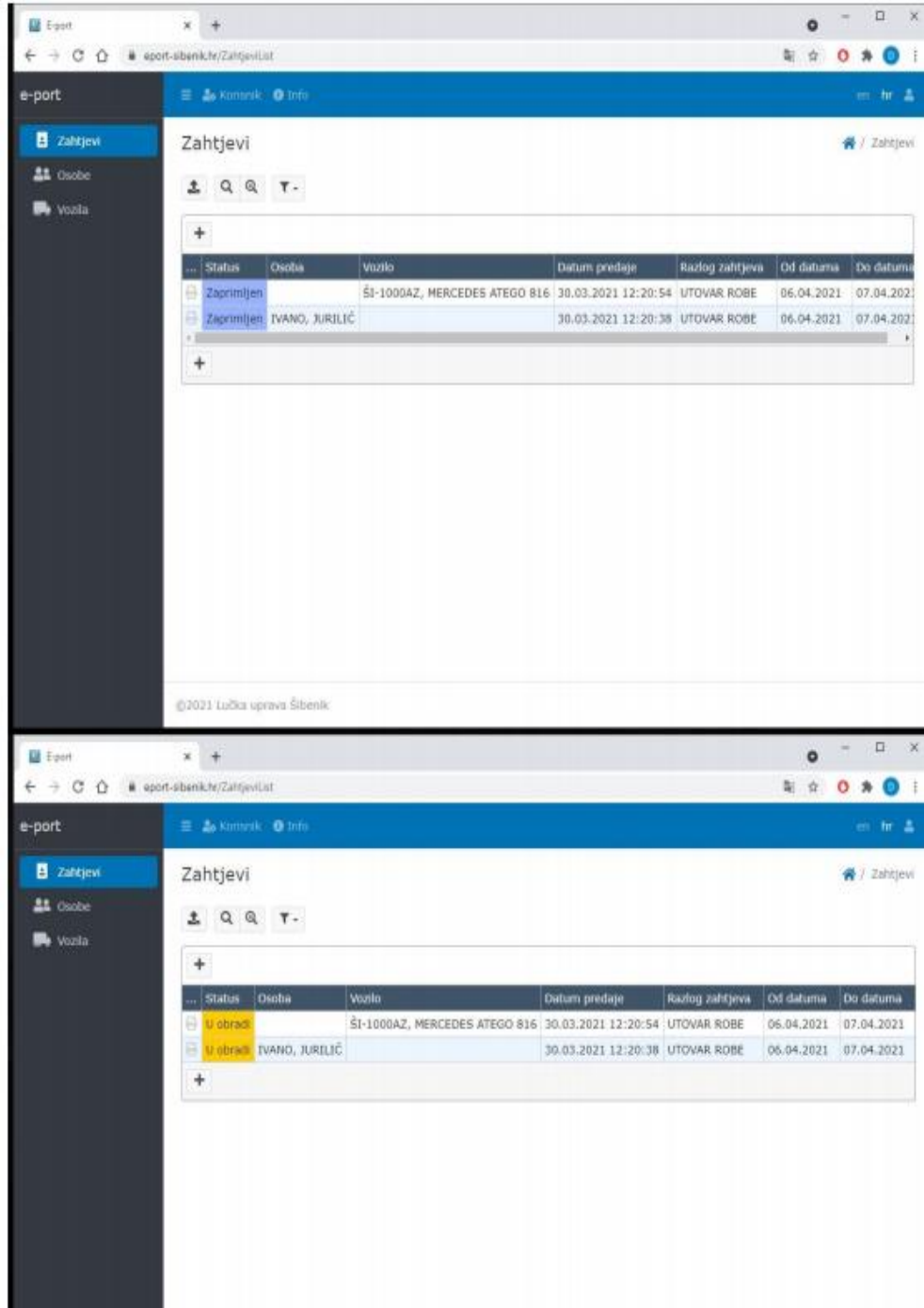
Osoba	<input type="text" value="IVANO, JURILIĆ"/>	<input type="button" value="x"/>	<input type="button" value="v"/>
Vozilo	<input type="text"/>	<input type="button" value="x"/>	<input type="button" value="v"/>
Razlog zahtjeva *	<input type="text" value="UTOVAR ROBE"/>		
Od datuma *	<input type="text" value="06.04.2021"/>	<input type="button" value="calendar"/>	
Do datuma *	<input type="text" value="07.04.2021"/>	<input type="button" value="calendar"/>	

Dodaj

Osoba	<input type="text"/>	<input type="button" value="x"/>	<input type="button" value="v"/>
Vozilo	<input type="text" value="ŠI-1000AZ, MERCEDES ATEGO 816"/>	<input type="button" value="x"/>	<input type="button" value="v"/>
Razlog zahtjeva *	<input type="text" value="UTOVAR ROBE"/>		
Od datuma *	<input type="text" value="06.04.2021"/>	<input type="button" value="calendar"/>	
Do datuma *	<input type="text" value="07.04.2021"/>	<input type="button" value="calendar"/>	

From the drop-down menu, user should select the previously entered person or vehicle.

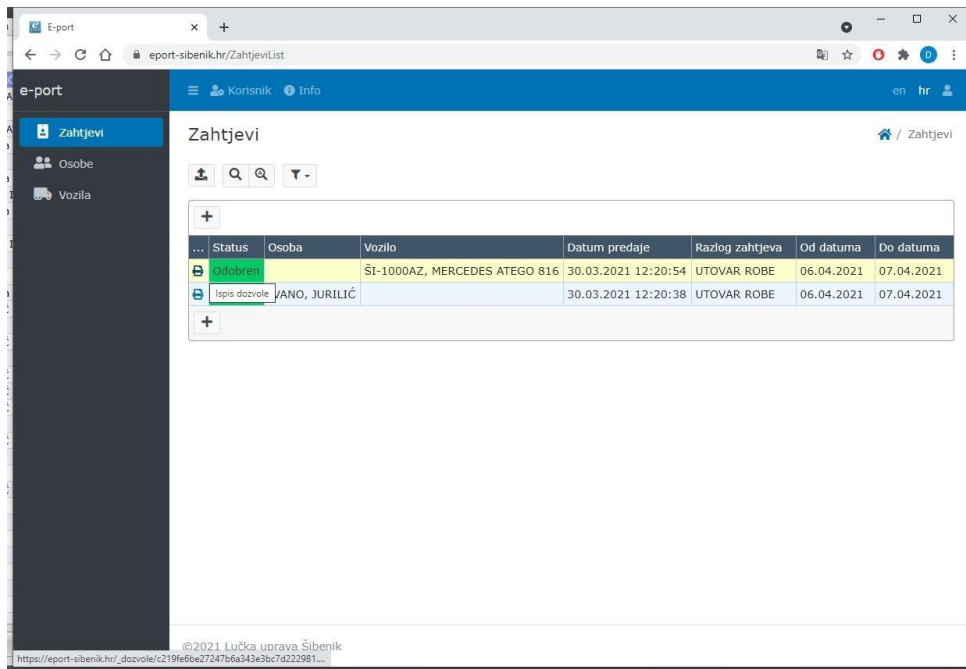
When entering a new request, it is allowed to enter either a person or a vehicle. New request should be added for each person and vehicle. Access request status can be monitored in the access request overview. Access request can have the status: **Received, Processed, Approved or Rejected.**




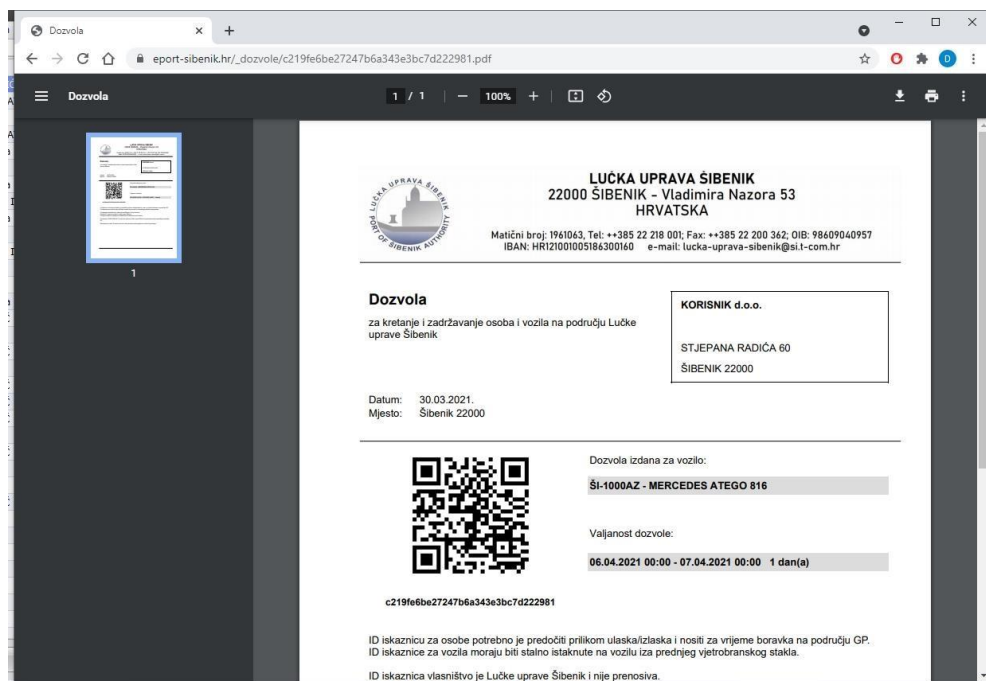
The screenshots show the 'Zahtjevi' (Requests) section of the e-port system. The table displays the following data:

...	Status	Osoba	Vozilo	Datum prijave	Razlog zahtjeva	Od datuma	Do datuma
	Zaprimljen		ŠI-1000AZ, MERCEDES ATEGO 816	30.03.2021 12:20:54	UTOVAR ROBE	06.04.2021	07.04.2021
	Zaprimljen	IVANO, JURILIĆ		30.03.2021 12:20:38	UTOVAR ROBE	06.04.2021	07.04.2021

In the second screenshot, the status of both rows has changed to 'U obradi' (In processing).




Once the access request is approved and the access permit is issued, the permit can be downloaded or printed by clicking on the  sign next to the selected access request.




Dozvola

9 eport-sibenik/hr/_dozvoTe/bb5f5ffd760S4217a26c480d5af0802b.pdf

1 / 1 100%



1



LU/KA UPRAVA ŠIBENIK
22000 AIBENIK - Vladimira Nazora 53
HRVATSKA

Matični broj: 1961063, Tel: ++385 22 218 001; Fax: ++385 22 200 362; OIB: 98609040957
 IBAN: HR121001005188300160 e-mail: luka-uprava-sibenik@si.t-com.hr


Dozvola

za kretanje i zadržavanje osoba i vozila na području Lučke uprave Šibenik

Datum: 30.03.2021.
Mjesto: Šibenik 22000

KORISNIK d.o.o.

STJEPANA RADIO60
ŠIBENIK 22000



bb5f5ffd76054217a26c480d5af0802b

Dozvola izdana za osobu:

JURILIĆ IVANO

Valjanost dozvole:

06.04.2021 00:00 - 07.04.2021 00:00 1 dan(a)

ID iskaznicu za osobe potrebno je predložiti prilikom ulaska/izlaska i nositi za vrijeme boravka na području GP.
 ID iskaznice za vozila moraju biti stalno istaknute na vozilu iza prednjeg vjetrobranskog stakla.
 ID iskaznica vlasništvo je Lučke uprave Šibenik i nije prenosiva.

3 Post deployment evaluation

During mature stages of the project execution and development, on 16th April 2021, a meeting was held between Ms. Gordana Mrčela, PP8 Project Manager, Mr. Josip Gašperov, (Disk Ltd. – external expert, IT module developer), Mr. Miro Šeneta (Ministry of Interior, Maritime Police in Šibenik), and Mr. Hrvoje Bratić (Port of Šibenik) where various aspects of the four components (web application, PC application, mobile application and the police-oriented application) have been presented, jointly and their functionalities tested.

On final completion of the pilot project, end users and the project team have conducted a Post Implementation Review (PIR) on the areas listed below:

1. To evaluate whether the system objectives have been fully achieved and the problems identified have been satisfactorily solved;
2. To evaluate the utilization of resources and recommend adjustments to both non-recurrent and recurrent expenditure and costs if considered necessary;
3. To evaluate the realization of benefits, and recommend adjustments if considered necessary;
4. To evaluate whether the implementation schedule as contained in the original funding submission has been adhered to; and
5. To identify possible improvements to the pilot project and recommend a course of action to implement them.

Entire project deliverables related to innovative access control in the Port of Šibenik are handed over to personnel in charge of IT oversight in the Port of Šibenik Authority and will be further maintained as a part of overall IT portfolio. In order to maintain project deliverables in the ongoing future, it is planned that sufficient funding is reserved for maintenance of the system in 2021. and subsequent years.

As of late June 2021., execution of this project has greatly enhanced capabilities, traceability, and event recording for the passenger permits in the Port of Šibenik while enabling flexible solution for the end users. Further enhancements to the project might include direct linking of the system with the ERP used in daily operations, in order to automatically exchange data on financial

transactions using e-permits for ingress. System could also be adopted in other ports, as this pilot proved to create a solid system that can be used in production environment.

The system developed as a part of the pilot project has completely replaced old system of applying for the permits using Web page form / e-mails and manual processing. This has transpired as of 30th June 2021., when the new system developed within pilot project has been rolled out to production work and replaced old system of permits issuing.

PP8 can conclude that the pilot project is fully operational, handed over for public use and executed in its entirety as planned, in terms of all resources (personnel, financial resources and time) in all its aspects and envisaged functionalities.

Project schedule has been also fully respected, and it has even been in some of its stages in advance in comparison to the project plan. Project has also benefitted from the received extension throughout 2021. enabling more comfortable schedule.