

Contract Management

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Contract Management user guide

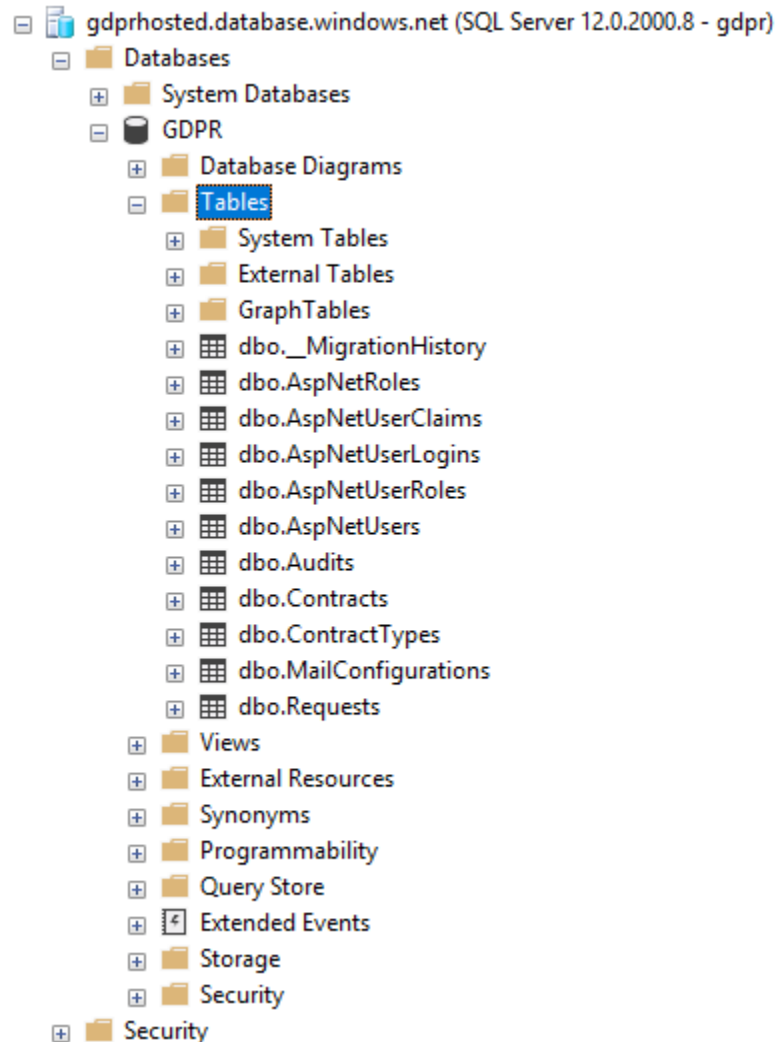
About

Contract management is web-based application written in C# under ASP.NET 4.6.1 platform. It's centralized database oriented, hosted on Azure service. Client is also web oriented solution under ASP.NET MVC platform. Also hosted on Azure cloud system.

Main parts of the web application:

- Database (Entity framework based, code-first)
- Database Services (All operations connected with database)
- Services (External services used for backup/export database tables and mailer)

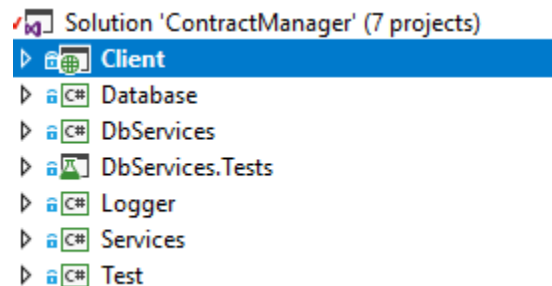
Database organization



Database is organized in several tables such as:

- Contracts
- Requests
- Contract types
- Mail Configuration
- Identity tables (AspNetRoles, AspNetUserClaims, AspNetLogins, AspNetUserRoles, AspNetUsers)
- Audits (log action table)
- Migration table for entity framework database

Code organization



Application is developed in Visual Studio 2017. It consist of several project of which:

- Client (MVC based web client)
- Database (Code-first entity framework class library)
- DbServices (Database Services, class library)
- DbServices.Tests (Database Services unit tests, unit test project)
- Logger (log4net based logger, class library)
- Services (External services, class library)
- Test (Console test application, debug and development purposes)

Client user interface

Users in contract management application are separated in 3 role based user types

- Admin
- Contract manager
- Contract user

Admin user is specific user creating in purpose for

- exporting database as dump,
- create contract manager users
- view all contract managers
- view all contract requests
- view all users

- view all contract types
- view all action by contract managers in audits
- configure mailer

Contract users can provide:

- create end user
- create contract type
- view users
- view contract types
- send user contract
- view their specific audits

End users can provide:

- login to system
- watch their contracts

Login page

Contract management

Username

Password

Login

Admin panel

Admin panel

Dashboard

Managers

Users

Contract Types

Contract Requests

Audits

Mail Configuration

Logout

Dashboard

Users	Requests	Contracts
16	20	21

Dashboard is specific overall page for showing statistics about all users, requests and contracts. Admin and contract users have their dashboard related with their users.

Manager panel

Manager panel

[Dashboard](#) [Users](#) [Contract Types](#) [Contract Requests](#) [Audits](#) [Logout](#)

Dashboard













Users	Requests	Contracts
2	1	1

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Managers table

Managers

[Add Manager](#)

	Name	Email	Username	
 	sdfad	zoki.ki@mail.com	zoran.kirov2	Details
 	Stojan	t.stojan@yahoo.com	t.stojan@yahoo.com	Details
 	Petre Dimov	pere.dimov@gmail.com	petredimov	Details
 	Kika M	hristina_16_mk@hotmail.com	testM	Details
 	Test Manager 2	testmanager2@gmail.com	testmanager2@gmail.com	Details
 	Test Manager	testmanager@gmail.com	testmanager@gmail.com	Details

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Table based view that only admins can see.

















Manager details

Details			
Name: Petre Dimov		Email: pere.dimov@gmail.com	PhoneNumber:
Address: Nikola Rusinski 29		Username: petredimov	Company: Pro Solution Limited
Users			
Client ID	Name	Email	
3e4b42da-9faa-41ae-bbe4-38d541cfdacd	Petre User	petre.dimov@yahoo.com	Details
93411030-7a52-4d4f-9281-706f617c8b2c	Lasko Iliev	laskoiliev@gmail.com	Details

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Manager details is admin view. It's showing the manager in depth with their specific users.

User table

Users						
Add Contract User			Export Users		Export to CSV	
	Name	Email	Address	Company Name	Phone number	
 	Gjoke	gjoke.delov@yahoo.com	Gradsko	ABCCompany123	4324342	Details Send Contract
 	Petre User	petre.dimov@yahoo.com	Petre Address	Petre Kompanija	1122334411	Details Send Contract
 	Zoki	zokikirov@gmail.com	adress3454	safdsf	23423454	Details Send Contract
 	Lasko Iliev	laskoiliev@gmail.com	24 St. Martins Place	German Company	7591060644	Details Send Contract
 	Kika U	grozdanova.hristina@gmail.com	Test address U	Sybo U	333444	Details Send Contract
 	Kika U2	grozdanova.hristina+2@gmail.com		Sybo U2 tt		Details Send Contract
 	TestStojanUser	trpcevski87@gmail.com		RRRTtt		Details Send Contract
 	Kika U1 updated 2	grozdanova.hristina+1@gmail.com		Sybo U1		Details Send Contract

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Tabled based view with all user or specific user for contract manager. Admin can see all users in this view, however, contract manager can see only their specific users.

User details

User Details		
Name: Gjoke	Email: gjoke.delov@yahoo.com	PhoneNumber: 4324342
Address: Gradsko	Username: gjoke.delov@yahoo.com	Company: ABCCompany123
Contracts		
Contract ID	Invite Date	Signing Date
Signed	Contract Type	
There are no items to display		

User details with all contracts.

Contract types






Contract types		
Add Contact		
Name		
 Data contract		Details
 Contract daily		Details
 ContractPfi		Details
 Test		Details
 Security contract		Details

Table based view for specific contract types. Admin users can see all contract types, contract manager can see just their specific contract types.

Create contract type

New Contract Type

Name

Monthly pre-paid contract

Data

Choose File

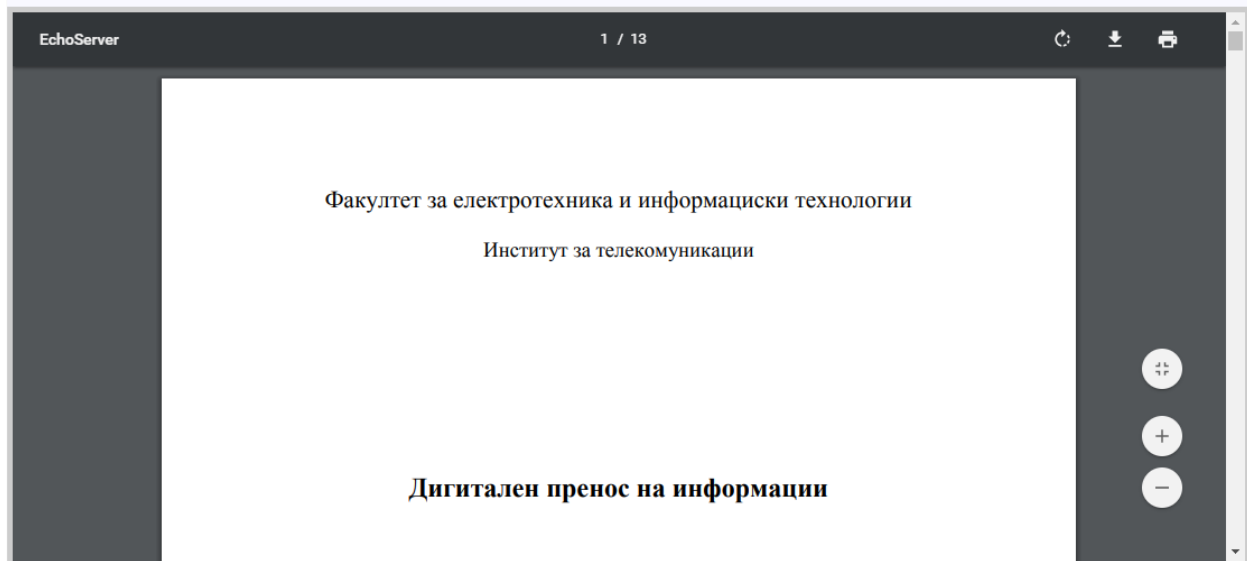
contract.pdf

Cancel

Add

Contract details

Details: Contract daily



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Pdf viewer for seeing specific contract details.

Contract requests

Contract Requests

Contract Name	Requested	Valid	Signed	Manager	User
Data contract	2/7/2018 10:37:23 PM	3/9/2018 10:37:23 PM		Admin	Zoki
Contract daily	2/7/2018 9:37:50 PM	3/9/2018 9:37:50 PM		Petre Dimov	Petre User
ContractPfi	2/7/2018 10:39:04 PM	3/9/2018 10:39:04 PM		Stojan	TestStojanUser
Data contract	2/7/2018 10:40:50 PM	3/9/2018 10:40:50 PM		Admin	Zoki
ContractPfi	2/7/2018 10:48:16 PM	3/9/2018 10:48:16 PM		Stojan	TestStojanUser
Data contract	2/7/2018 10:47:39 PM	3/9/2018 10:47:39 PM		Admin	Zoki
Data contract	2/7/2018 10:48:59 PM	3/9/2018 10:48:59 PM		Admin	Zoki
ContractPfi	2/7/2018 10:50:35 PM	3/9/2018 10:50:35 PM	2/7/2018 9:54:11 PM	Stojan	TestStojanUser
Data contract	2/7/2018 10:49:56 PM	3/9/2018 10:49:56 PM		Admin	Zoki
Data contract	2/7/2018 10:50:51 PM	3/9/2018 10:50:51 PM		Admin	Zoki
Security contract	2/7/2018 11:08:55 PM	3/9/2018 11:08:55 PM	2/7/2018 11:14:33 PM	Kika M	Kika U
ContractPfi	2/8/2018 12:37:30 AM	3/10/2018 12:37:30 AM	2/7/2018 11:41:24 PM	Stojan	TestStojanUser
Security contract	2/7/2018 11:40:29 PM	3/9/2018 11:40:29 PM	2/7/2018 11:58:30 PM	Kika M	Kika U1 updated 2
ContractPfi	2/8/2018 12:43:56 AM	3/10/2018 12:43:56 AM	2/8/2018 12:45:06 AM	Stojan	TestStojanUser

Table based view for every contract request with:

- Contract name,
- Requested date,
- Valid date,
- Signed date,
- Contracted by (Manager)
- Signed by (User)

Audits

Audits

ID ▼	Action ▼	Date ▼	User ▼	Message ▼
145	Info	2/8/2018 9:33:53 AM		User: trpcevski87@gmail.com logged into the system.
144	Info	2/8/2018 9:32:20 AM	e25b59a9-80af-4f3d-9454-64ac934d9e2d	User: admin@cegeka.com backed up database to Export_2018-32-08_09-02-01.bacpac.
143	Info	2/8/2018 9:31:55 AM	e25b59a9-80af-4f3d-9454-64ac934d9e2d	User: admin@cegeka.com backed up database to Export_2018-31-08_09-02-19.bacpac.
142	Info	2/8/2018 9:31:14 AM	e25b59a9-80af-4f3d-9454-64ac934d9e2d	User: admin@cegeka.com backed up database to Export_2018-30-08_09-02-56.bacpac.
140	Info	2/8/2018 9:31:13 AM		User: trpcevski87@gmail.com logged into the system.
139	Info	2/8/2018 9:31:03 AM	292fc3cf-a84f-480a-a09c-70efb106cdb7	t.stojan@yahoo.com logged out from the system.
141	Info	2/8/2018 9:30:47 AM		User: admin@cegeka.com logged into the system.
138	Info	2/8/2018 9:22:08 AM		User: t.stojan@yahoo.com logged into the system.

Audits are used to store all the action of the contract manager users and end users in the database. It's kind of history for the application and actions of the users that are using the application.

Mail Configuration

Username

gdprcontract

Password

.....

From

gdprcontract@gmail.com

Port

587

Enable ssl



Server

smtp.gmail.com

Mail type

SMTP ▼

Save

Mail configuration is form that is used to configure the specific mail that will send notification to clients and contract managers. It support SMTP/Exchanges mail types with SSL. There is a default predefined mail already with the application. This mail can be edited.