

2018

# NG Puppies

User's Manual

**Team Jessica Jones**

Danail Ivanov Kristina Bonevska

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## Contents

Description .....	1
1. Data structure .....	2
2. Public Part .....	2
3. Client's API (private part) .....	3
4. Administrator's API (administrative part) .....	4

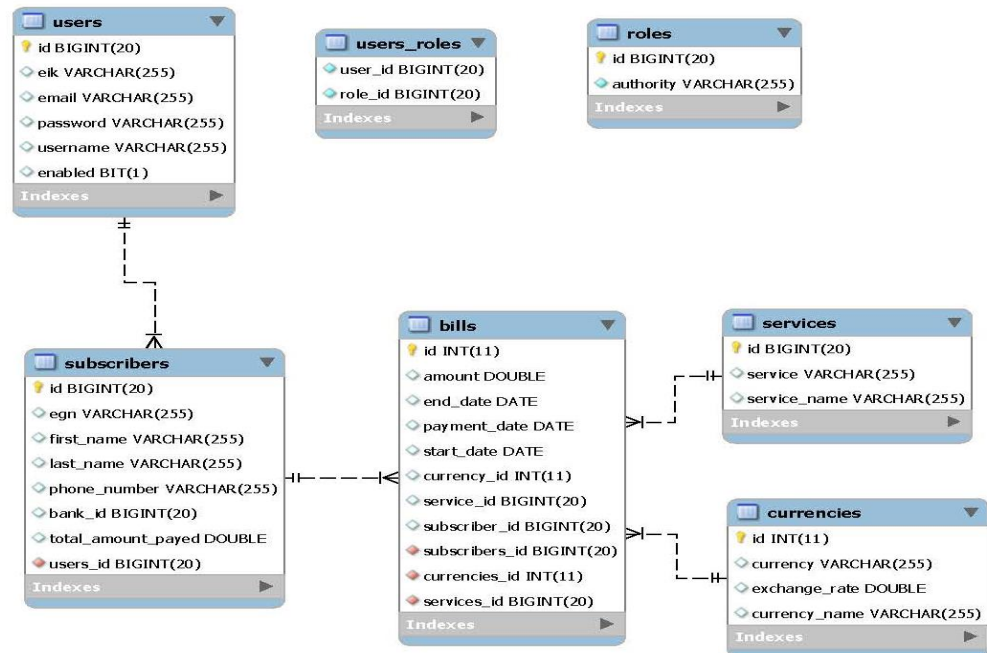
# NG PUPPIES

## Description

NG Puppies is an application intended for automatic utilities service payments. It provides a connection between a client (e.g., bank or other financial institution) and a telecom company. The telecom company administers the application and provides data to the bank about bills of the bank's subscribers. The bank can see the bills related to its subscribers and pay them as single transactions or as bulk payments. It can also view history of made payments and statistics about its subscribers (e.g., top ten subscribers with largest bill payments, mean and total amount of paid bills for a given subscriber).

Authentication to the application is provided from the backend (server) of the application via JWT token after providing correct username and password at login time. After successful login the token is saved in the local storage of the page. The token contains information about the username, role, and whether this is the user's first login into the system or not. Each token is valid for 20 minutes.

## 1. Data structure



## 2. Public Part

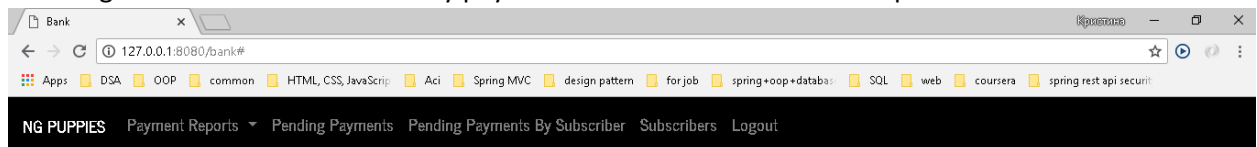
- The public part have only user login API with two fields – username and password. It provides access to client API or administration API depending on user's credentials, or redirects to password-reset page on initial login of administrative users.



### 3. Client's API (private part)

After a client (e.g., bank) logs into the application it is redirected to the client module, where each client can use several services.

- Payment reports
  - Top 10 subscribers with the biggest amount of money paid
  - The 10 most recent payments for all the subscribers
  - Payment history
  - Average and max amount of money paid for a subscriber for a defined period of time

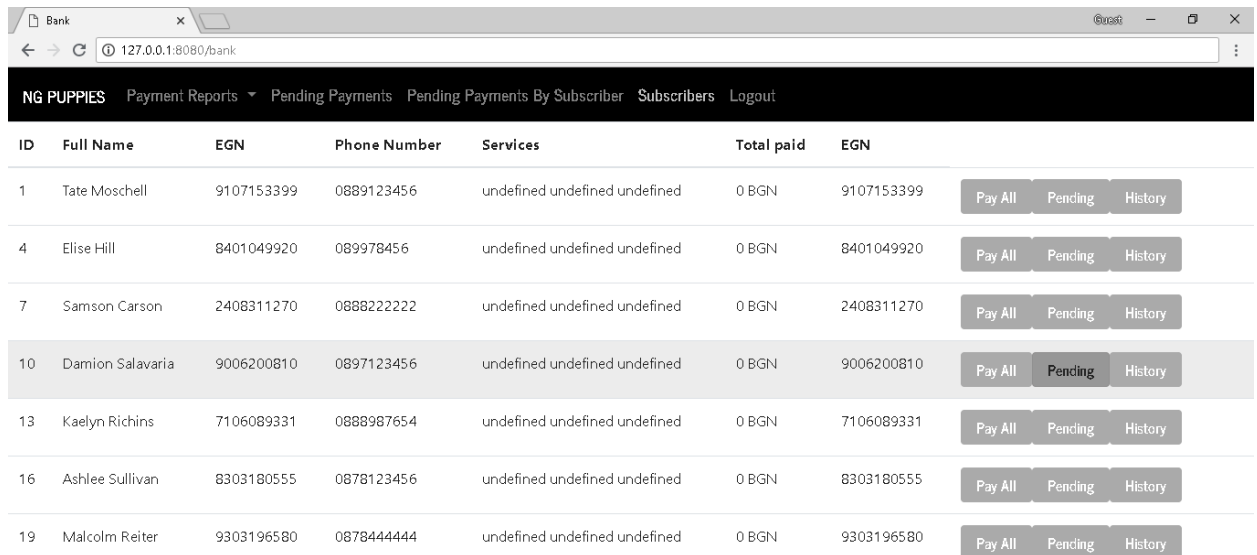


- All pending payments for client's subscribers

The screenshot shows the same web browser window as before, but the "All pending payments for client's subscribers" table is displayed. The table has columns for ID, Subscriber, Phone Number, Service, Start Date, End Date, Amount, and Currency. Each row represents a pending payment, and there is a "Pay" button next to each row.

ID	Subscriber	Phone Number	Service	Start Date	End Date	Amount	Currency	
154	Tate Moschell	0889123456	PHONE	VIII 1, 2018	IX 1, 2018	20	bgn	Pay
224	Kaelyn Richins	0888987654	INTERNET	VIII 1, 2018	IX 1, 2018	20	bgn	Pay
155	Tate Moschell	0889123456	TV	VII 1, 2018	VIII 1, 2018	20	bgn	Pay
207	Damion Salavaria	0897123456	INTERNET	VII 1, 2018	VIII 1, 2018	20	bgn	Pay
174	Elise Hill	089978456	INTERNET	VIII 1, 2018	IX 1, 2018	20	bgn	Pay
210	Damion Salavaria	0897123456	INTERNET	VIII 1, 2018	IX 1, 2018	20	bgn	Pay
153	Tate Moschell	0889123456	INTERNET	VIII 1, 2018	IX 1, 2018	20	bgn	Pay

- List of all subscribers

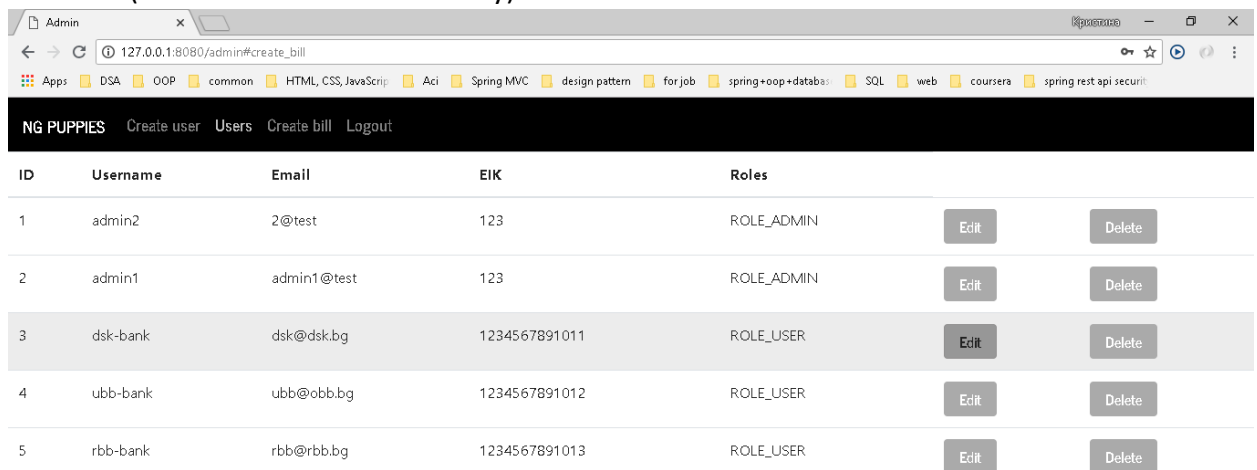


ID	Full Name	EGN	Phone Number	Services	Total paid	EGN	
1	Tate Moschell	9107153399	0889123456	undefined undefined undefined	0 BGN	9107153399	<button>Pay All</button> <button>Pending</button> <button>History</button>
4	Elise Hill	8401049920	089978456	undefined undefined undefined	0 BGN	8401049920	<button>Pay All</button> <button>Pending</button> <button>History</button>
7	Samson Carson	2408311270	0888222222	undefined undefined undefined	0 BGN	2408311270	<button>Pay All</button> <button>Pending</button> <button>History</button>
10	Damion Salavaria	9006200810	0897123456	undefined undefined undefined	0 BGN	9006200810	<button>Pay All</button> <button>Pending</button> <button>History</button>
13	Kaelyn Richins	7106089331	0888987654	undefined undefined undefined	0 BGN	7106089331	<button>Pay All</button> <button>Pending</button> <button>History</button>
16	Ashlee Sullivan	8303180555	0878123456	undefined undefined undefined	0 BGN	8303180555	<button>Pay All</button> <button>Pending</button> <button>History</button>
19	Malcolm Reiter	9303196580	0878444444	undefined undefined undefined	0 BGN	9303196580	<button>Pay All</button> <button>Pending</button> <button>History</button>

#### 4. Administrator's API (administrative part)

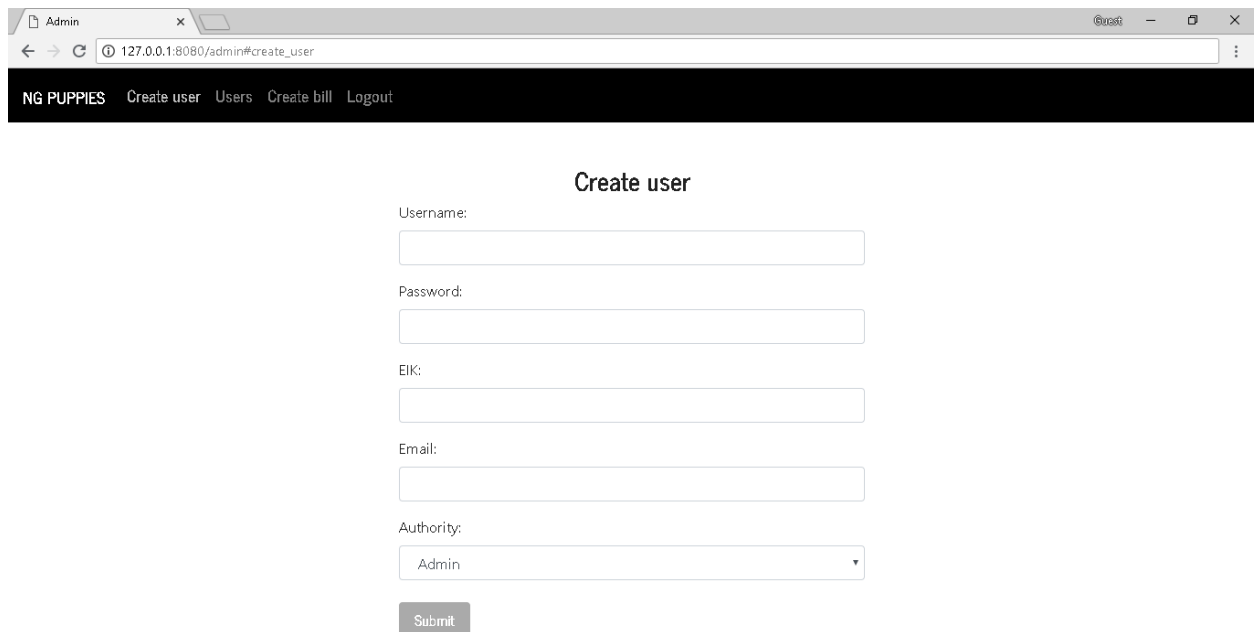
After an admin (e.g., telecom company's employee) logs into the application he/she is redirected to the administrative part of the application, where each admin have several services.

- All Users (edit and delete functionality)



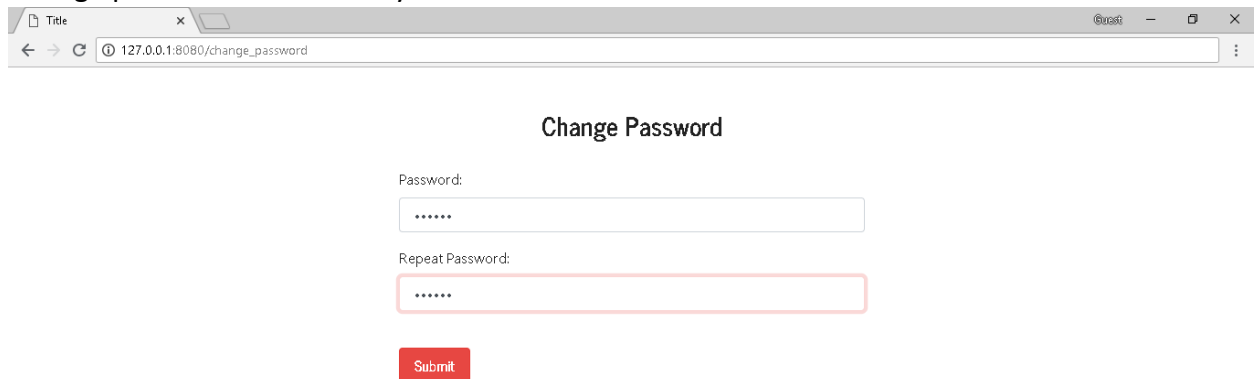
ID	Username	Email	EIK	Roles	
1	admin2	2@test	123	ROLE_ADMIN	<button>Edit</button> <button>Delete</button>
2	admin1	admin1@test	123	ROLE_ADMIN	<button>Edit</button> <button>Delete</button>
3	dsk-bank	dsk@dsk.bg	1234567891011	ROLE_USER	<button>Edit</button> <button>Delete</button>
4	ubb-bank	ubb@obb.bg	1234567891012	ROLE_USER	<button>Edit</button> <button>Delete</button>
5	rbb-bank	rbb@rbb.bg	1234567891013	ROLE_USER	<button>Edit</button> <button>Delete</button>

- Create new user



The screenshot shows a web browser window with the title 'Admin' and the address bar displaying '127.0.0.1:8080/admin#create\_user'. The browser's address bar also shows navigation icons and a menu icon. Below the browser window, there is a black navigation bar with the text 'NG PUPPIES' and links for 'Create user', 'Users', 'Create bill', and 'Logout'. The main content area is titled 'Create user' and contains a form with the following fields: 'Username:' (text input), 'Password:' (text input), 'EIK:' (text input), 'Email:' (text input), and 'Authority:' (dropdown menu with 'Admin' selected). A 'Submit' button is located at the bottom of the form.

- Change password functionality



The screenshot shows a web browser window with the title 'Title' and the address bar displaying '127.0.0.1:8080/change\_password'. The browser's address bar also shows navigation icons and a menu icon. Below the browser window, there is a form titled 'Change Password' with the following fields: 'Password:' (text input with masked characters) and 'Repeat Password:' (text input with masked characters). A red 'Submit' button is located at the bottom of the form.