

# **LIETUVOS SPAUDOS FOTOGRAFIJA**

DIEGIMO INSTRUKCIJA

Zenitas

2024

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## 2. Programinės įrangos diegimas

### 2.1. Git

#### 2.1.1. Reikalavimai

- ⌚ Git versija nuo: 2.40.0

#### 2.1.2. Patikrinimas

- ⌚ Paleisti „Command line“
- ⌚ Panaudoti komanda „git -v“
  - Veikia – pranešimas apie git versiją:

```
C:\> Select Administrator: Command Prompt

Microsoft Windows [Version 10.0.22631.3007]
(c) Microsoft Corporation. All rights reserved.

C:\Users\user>git -v
git version 2.44.0.windows.1
```

- Neveikia – pranešimas, kad komanda neatpažinta:

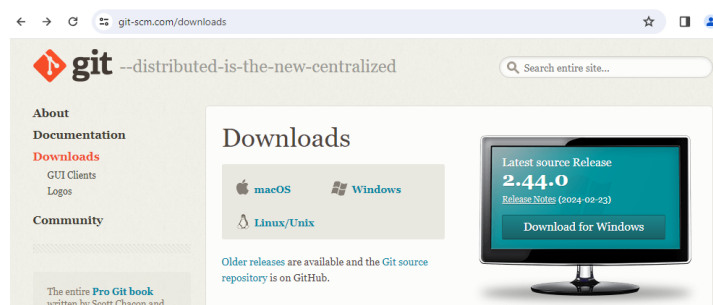
```
C:\> Administrator: Command Prompt

Microsoft Windows [Version 10.0.22631.3007]
(c) Microsoft Corporation. All rights reserved.

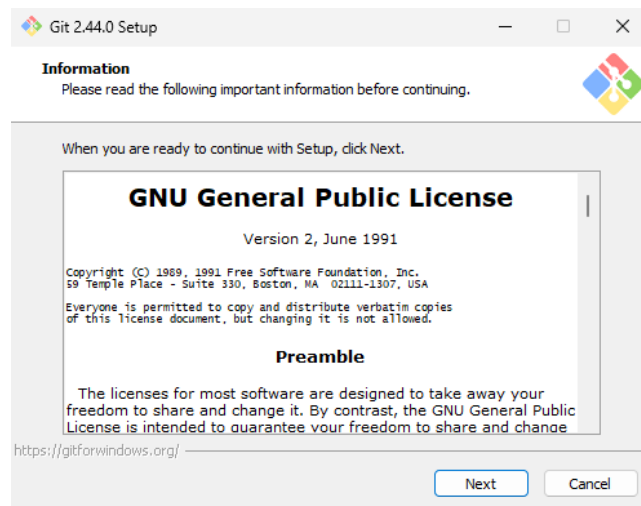
C:\Users\user>git -v
'git' is not recognized as an internal or external command,
operable program or batch file.
```

#### 2.1.3. Diegimas

- ⌚ Atsisiųsti git iš: <https://git-scm.com/downloads>



- ⌚ Instaliuoti



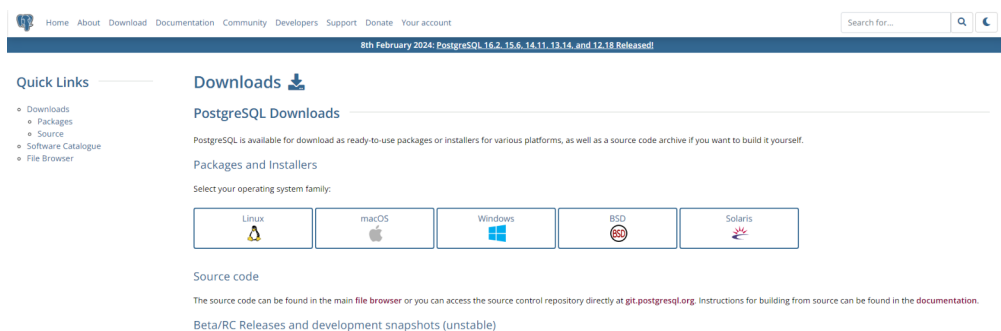
## 2.2. PostgreSQL

### 2.2.1. Reikalavimai

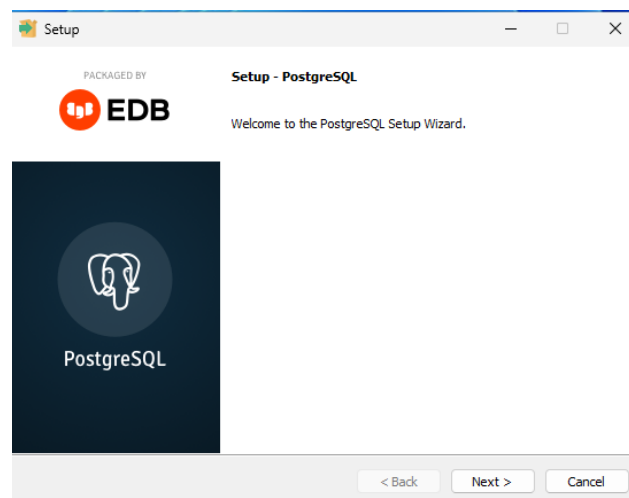
🕒 PostgreSQL versija nuo: 16.0

### 2.2.2. Diegimas

🕒 Atsisiųsti postgresQL iš: <https://www.postgresql.org/download/>



🕒 Instaliuoti



🕒 Atidaryti postgresQL direktoriją (C:\Program Files\PostgreSQL\16)

🕒 Atidaryti bin katalogą

🕒 Paleisti „Command line“

- ⌚ Patikrinti, ar PostgreSQL yra pasiekama su „psql --version“. Turi parodyti postgresQL versiją.

```
Administrator: Command Prompt
C:\Program Files\PostgreSQL\16\bin>psql --version
psql (PostgreSQL) 16.2
```

- ⌚ Prisijungti prie PostgreSQL valdymo kaip super vartotojas: „psql -U postgres;“

```
Administrator: Command Prompt - psql -U postgres
C:\Program Files\PostgreSQL\16\bin>psql -U postgres
Password for user postgres:
psql (16.2)
WARNING: Console code page (437) differs from Windows code page (1252)
        8-bit characters might not work correctly. See psql reference
        page "Notes for Windows users" for details.
Type "help" for help.
postgres=#
```

- ⌚ Sukurti vartotoją „CREATE USER lsfotografija WITH PASSWORD ‘qwerty’;“. (SVARBU! Slaptažodį įrašyti kitą)

- ⌚ 

postgres=# CREATE USER lsfotografija with password 'qwerty';  
CREATE ROLE  
postgres=#

Sukurti duomenų bazę „CREATE DATABASE lsfotografija;“

```
postgres=#  
postgres=# CREATE DATABASE lsfotografija;  
CREATE DATABASE  
postgres=#
```

- ⌚ Prisijungti prie duomenų bazės „\c lsfotografija;“

```
postgres=#  
postgres=# \c lsfotografija  
You are now connected to database "lsfotografija" as user "postgres".  
lsfotografija=#
```

- ⌚ Suteikti vartotojui teises „GRANT ALL PRIVILEGES ON SCHEMA PUBLIC TO lsfotografija;“

```
lsfotografija=#  
lsfotografija=# GRANT ALL PRIVILEGES ON SCHEMA PUBLIC TO lsfotografija;  
GRANT  
lsfotografija=#
```

## 2.3. JDK

### 2.3.1. Reikalavimai

- ⌚ Java versija: 22

### 2.3.2. Patikrinimas

- ⌚ Paleisti „Command line“

⌚ Panaudoti komandą „java -version“

- Veikia – pranešimas apie java versija:

```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.22631.3007]
(c) Microsoft Corporation. All rights reserved.

C:\Users\user>java -version
java version "22" 2024-03-19
Java(TM) SE Runtime Environment (build 22+36-2370)
Java HotSpot(TM) 64-Bit Server VM (build 22+36-2370, mixed mode, sharing)
```

- Neveikia – pranešimas, kad komanda neatpažinta:

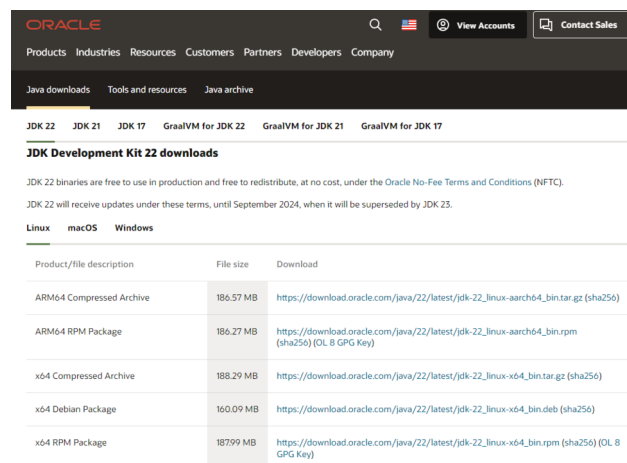
```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.22631.3007]
(c) Microsoft Corporation. All rights reserved.

C:\Users\user>java -version
'java' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\user>
```

## 2.3.3. Diegimas

⌚ Atsisiųsti java iš: <https://www.oracle.com/java/technologies/downloads/>



The screenshot shows the Oracle website's 'Java downloads' section for JDK 22. It includes a navigation bar with 'Products', 'Industries', 'Resources', 'Customers', 'Partners', 'Developers', and 'Company'. Below the navigation bar, there are tabs for 'Java downloads', 'Tools and resources', and 'Java archive'. The 'JDK 22' tab is selected, showing 'JDK Development Kit 22 downloads'. A disclaimer states that JDK 22 binaries are free to use and redistribute, but will be superseded by JDK 23 in September 2024. A table lists download links for Linux, macOS, and Windows. The table has columns for 'Product/file description', 'File size', and 'Download'.

Product/file description	File size	Download
ARM64 Compressed Archive	186.57 MB	<a href="https://download.oracle.com/java/22/latest/jdk-22_linux-aarch64_bin.tar.gz">https://download.oracle.com/java/22/latest/jdk-22_linux-aarch64_bin.tar.gz</a> (sha256)
ARM64 RPM Package	186.27 MB	<a href="https://download.oracle.com/java/22/latest/jdk-22_linux-aarch64_bin.rpm">https://download.oracle.com/java/22/latest/jdk-22_linux-aarch64_bin.rpm</a> (sha256) (OL 8 GPG Key)
x64 Compressed Archive	188.29 MB	<a href="https://download.oracle.com/java/22/latest/jdk-22_linux-x64_bin.tar.gz">https://download.oracle.com/java/22/latest/jdk-22_linux-x64_bin.tar.gz</a> (sha256)
x64 Debian Package	160.09 MB	<a href="https://download.oracle.com/java/22/latest/jdk-22_linux-x64_bin.deb">https://download.oracle.com/java/22/latest/jdk-22_linux-x64_bin.deb</a> (sha256)
x64 RPM Package	187.99 MB	<a href="https://download.oracle.com/java/22/latest/jdk-22_linux-x64_bin.rpm">https://download.oracle.com/java/22/latest/jdk-22_linux-x64_bin.rpm</a> (sha256) (OL 8 GPG Key)

⌚ Instaliuoti



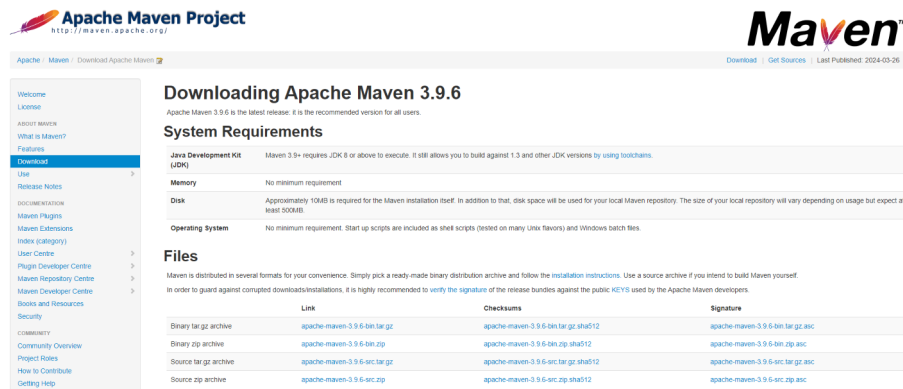
## 2.4. Maven

### 2.4.1. Reikalavimai

🕒 Maven versija nuo: 3.9

### 2.4.2. Diegimas

🕒 Atsisiųsti maven iš: <https://maven.apache.org/download.cgi>



🕒 Išpakuoti archyvą

## 2.5. NODE.JS

### 2.5.1. Reikalavimai

🕒 Node.js versija nuo: 20.10.0

### 2.5.2. Patikrinimas

🕒 Paleisti „Command line“

🕒 Panaudoti komandą „node -v“

- Veikia - pranešimas apie node.js versiją:

```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.22631.3007]
(c) Microsoft Corporation. All rights reserved.

C:\Users\user>node -v
v20.12.0
```

- Neveikia - pranešimas, kad komanda neatpažinta:

```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.22631.3007]
(c) Microsoft Corporation. All rights reserved.

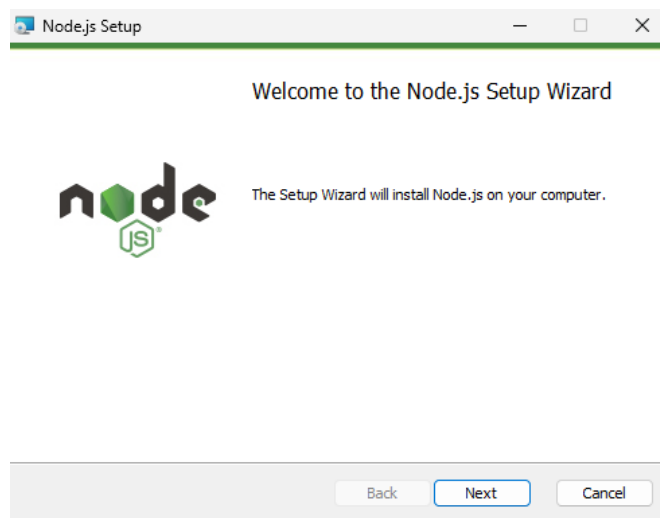
C:\Users\user>node -v
'node' is not recognized as an internal or external command,
operable program or batch file.
```

### 2.5.3. Diegimas

🕒 Atsisiųsti node.js iš: <https://nodejs.org/en/download>



⌚ Instaliuoti.



### 3. Pasiruošimas

⌚ Pasirinkti katalogą, kur projektas bus talpinamas.

⌚ Kataloge paleisti „Command line“

⌚ Panaudoti komandą

„git clone <https://github.com/Vitalij-C-Techin/LietuvosSpaudosFotografija.git>“

⌚ 

```
PS C:\Projects> git clone https://github.com/Vitalij-C-Techin/LietuvosSpaudosFotografija.git
Cloning into 'LietuvosSpaudosFotografija'...
remote: Enumerating objects: 7729, done.
remote: Counting objects: 100% (1326/1326), done.
remote: Compressing objects: 100% (484/484), done.
remote: Total 7729 (delta 831), reused 1048 (delta 764), pack-reused 6403
Receiving objects: 100% (7729/7729), 2.99 MiB | 6.40 MiB/s, done.
Resolving deltas: 100% (4825/4825), done.
PS C:\Projects>
```

Kataloge backend\src\main\resources atidaryti failą „application.yaml“

⌚ Įrašyti savo duomenų bazės slaptažodį „spring.datasource.password“ lauke.



```

logging:
  level:
    root: WARN
    lt.techin: DEBUG
    org.springframework.security: WARN

spring:
  jackson:
    defaultPropertyInclusion: non-null
    deserialization:
      failOnUnknownProperties: false
    mapper:
      accept-case-insensitive-enums: true
  datasource:
    url: jdbc:postgresql://localhost:5432/lsfotografija
    username: lsfotografija
    password: qwerty
    driver-class-name: org.postgresql.Driver
  jpa:
    show-sql: true
    defer-datasource-initialization: true
    hibernate:
      ddl-auto: update
#      ddl-auto: create-drop

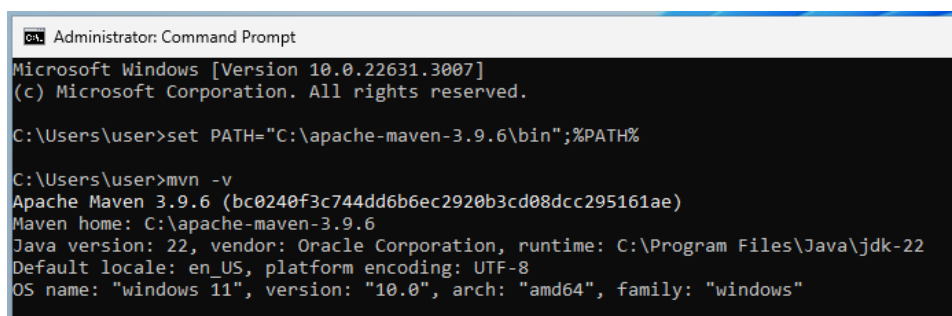
```

- ⌚ Kataloge backend\src\main\resources atidaryti failą „credentials.yaml“, įrašyti prisijungimus prie email serviso. (Registracija: <https://www.mailjet.com/>)
- ⌚ Projekte /frontend kataloge panaudoti komandą „npm install“

## 4. Paleidimas

### 4.1. Backend

- ⌚ Projekto kataloge /backend
- ⌚ Kataloge paleisti „Command line“
- ⌚ Paleisti maven su komanda: „set PATH="{dir}";%PATH%“  
{dir} pakeisti į maven katalogo nuorodą.  
(pvz „set PATH="C:\apache-maven-3.9.6\bin";%PATH%“)
- ⌚ Patikrinti su komanda „mvn -v“
  - Veikia – pranešimas su maven versija



```

Administrator: Command Prompt
Microsoft Windows [Version 10.0.22631.3007]
(c) Microsoft Corporation. All rights reserved.

C:\Users\user>set PATH="C:\apache-maven-3.9.6\bin";%PATH%

C:\Users\user>mvn -v
Apache Maven 3.9.6 (bc0240f3c744dd6b6ec2920b3cd08dcc295161ae)
Maven home: C:\apache-maven-3.9.6
Java version: 22, vendor: Oracle Corporation, runtime: C:\Program Files\Java\jdk-22
Default locale: en_US, platform encoding: UTF-8
OS name: "windows 11", version: "10.0", arch: "amd64", family: "windows"

```

- ⌚ Spring paleidimas su komanda „mvn spring-boot:run“

```
Administrator: Command Pro X + v
:: Spring Boot :: (v3.2.2)

2024-03-27T14:22:06.139+02:00 INFO 7336 --- [main] .L.LietuvosSpaudosFotografijaApplication : Starting Lietu
vosSpaudosFotografijaApplication using Java 22 with PID 7336 (C:\Projects\LietuvosSpaudosFotografija\backend\target\clas
ses started by user in C:\Projects\LietuvosSpaudosFotografija\backend)
2024-03-27T14:22:06.139+02:00 DEBUG 7336 --- [main] .L.LietuvosSpaudosFotografijaApplication : Running with S
pring Boot v3.2.2, Spring v6.1.3
2024-03-27T14:22:06.139+02:00 INFO 7336 --- [main] .L.LietuvosSpaudosFotografijaApplication : No active prof
ile set, falling back to 1 default profile: "default"
Hibernate: create table album (uuid uuid not null, description_en varchar(255), description_lt varchar(255), name_en var
char(255), name_lt varchar(255), status varchar(255), type varchar(255), submission_uuid uuid, primary key (uuid))
Hibernate: create table category (uuid uuid not null, album_type varchar(255) not null, created_at timestamp(6) not null
, description_en varchar(255) not null, description_lt varchar(255) not null, is_preset varchar(255), name_en varchar(25
5) not null, name_lt varchar(255) not null, photo_limit integer not null, competition_uuid uuid, primary key (uuid))
Hibernate: create table competition (uuid uuid not null, created_at timestamp(6) not null, description_en varchar(255) n
ot null, description_lt varchar(255) not null, end_date timestamp(6) not null, image_uuid uuid, name_en varchar(255) not
null, name_lt varchar(255) not null, photo_limit integer not null, start_date timestamp(6) not null, status varchar(255
) check (status in ('NONE', 'COMING', 'GOING', 'EVALUATES', 'FINISHED')), visibility varchar(255) check (visibility in ('PRI
VATE', 'PUBLIC')), primary key (uuid))
Hibernate: create table evaluation (uuid uuid not null, created_at timestamp(6), jury_id uuid not null, liked boolean, s
ubmission_id integer, photo_id uuid, primary key (uuid))
Hibernate: create table "participation_request" (uuid uuid not null, approved_at timestamp(6), approved_by uuid, competi
tion_uuid uuid not null, created_at timestamp(6) not null, status varchar(255) not null check (status in ('PENDING', 'REJ
ECT', 'PERMIT')), user_uuid uuid not null, primary key (uuid))
```

## 4.2. Frontend

- 🕒 Projekto kataloge /frontend
- 🕒 Kataloge paleisti „Command line“
- 🕒 Paleisti React su „npm run dev“

```
Administrator: C:\Windows\s X + v
VITE v5.0.12 ready in 1155 ms
➔ Local: http://localhost:5173/
➔ Network: use --host to expose
➔ press h + enter to show help
```

- 🕒 Atidaryti nuorodą

