Museum Application

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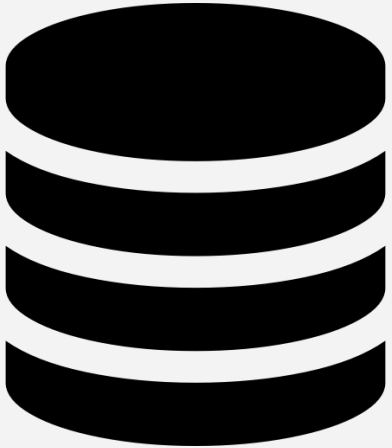
01 Introduction

Java™



02 Time Distribution

Time distribution

Planification	Design	Coding	Testing	Report
5h	3h	45h	7h	5h

03 Classes and Database

Table for Museum

```
mysql> describe Museum;
+-------------+--------------+------+-----+---------+-------+
| Field       | Type         | Null | Key | Default | Extra |
+-------------+--------------+------+-----+---------+-------+
| Code        | int          | NO   | PRI | NULL    |       |
| Name        | varchar(50)  | YES  |     | NULL    |       |
| Location    | varchar(200) | YES  |     | NULL    |       |
| Description | longtext     | YES  |     | NULL    |       |
| Email       | varchar(100) | YES  |     | NULL    |       |
| Link        | varchar(400) | YES  |     | NULL    |       |
+-------------+--------------+------+-----+---------+-------+
6 rows in set (0,01 sec)
```

Table for User

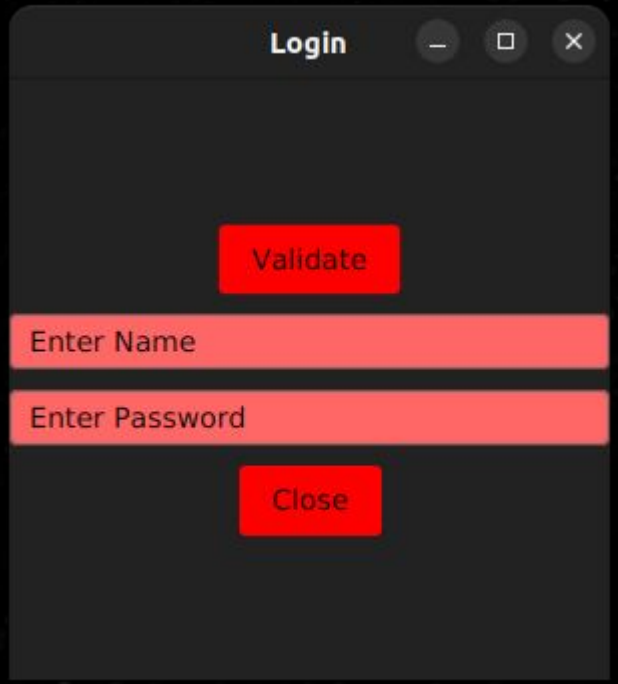
```
mysql> describe UserM;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| ID       | int         | NO   | PRI | NULL    |       |
| Name     | varchar(50) | YES  |     | NULL    |       |
| Password | varchar(50) | YES  |     | NULL    |       |
| Email    | varchar(50) | YES  |     | NULL    |       |
| Museum   | int         | NO   | MUL | NULL    |       |
+----------+-------------+------+-----+---------+-------+
5 rows in set (0,01 sec)
```

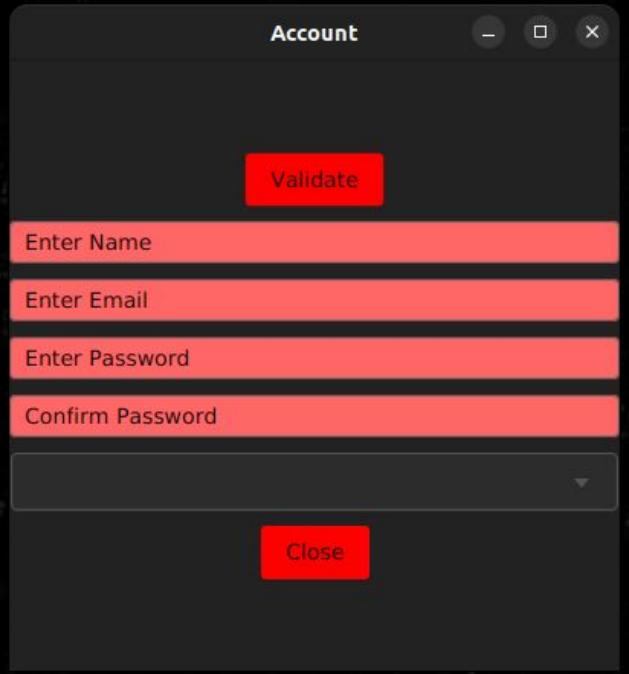
Class Art

```java
/**
 * The `Art` class represents an art object in the application.
 * It encapsulates the information related to the art, including its identifier, name, picture, museum, description, and link.
 */
public class Art {
    private final int Identifier;     // The unique identifier of the art
    private final String Name;        // The name of the art
    private final BufferedImage Picture;   // The picture/image of the art
    private final Museum Museum;      // The museum associated with the art
    public final String Description;  // The description of the art
    private final String Link;        // The link/reference to the art

    /**
     * Constructs an `Art` object with the specified information.
     *
     * @param identifier  The identifier of the art
     * @param name        The name of the art
     * @param picture     The picture/image of the art
     * @param museum      The museum associated with the art
     * @param description The description of the art
     * @param link        The link/reference to the art
     */
    public Art(int identifier, String name, BufferedImage picture, Museum museum, String description, String link) {
        this.Identifier = identifier;
        this.Name = name;
        this.Picture = picture;
        this.Museum = museum;
        this.Description = description;
        this.Link = link;
    }
```

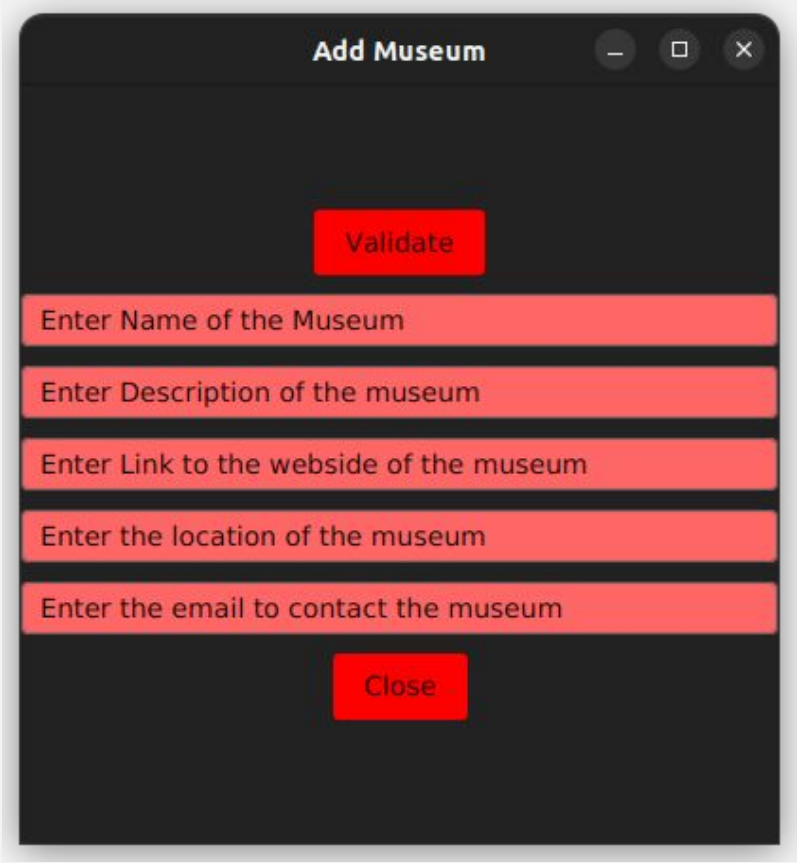
Class User

```java
/**
 * The `User` class represents a general user with their associated information.
 * It provides methods to access and retrieve user details such as name, ID, password, and email.
 */
public class User {

    private final String Name;
    private final int ID;
    private final String Password;
    private final String Email;

    /**
     * Constructs a new `User` object with the specified ID, name, password, and email.
     *
     * @param ID       the ID of the user
     * @param name     the name of the user
     * @param password the password of the user
     * @param email    the email of the user
     */
    public User(int ID, String name, String password, String email) {
        this.ID = ID;
        this.Name = name;
        this.Password = password;
        this.Email = email;
    }
```





Windows for creating or connecting to an account



Create a professional account

Application Design 04

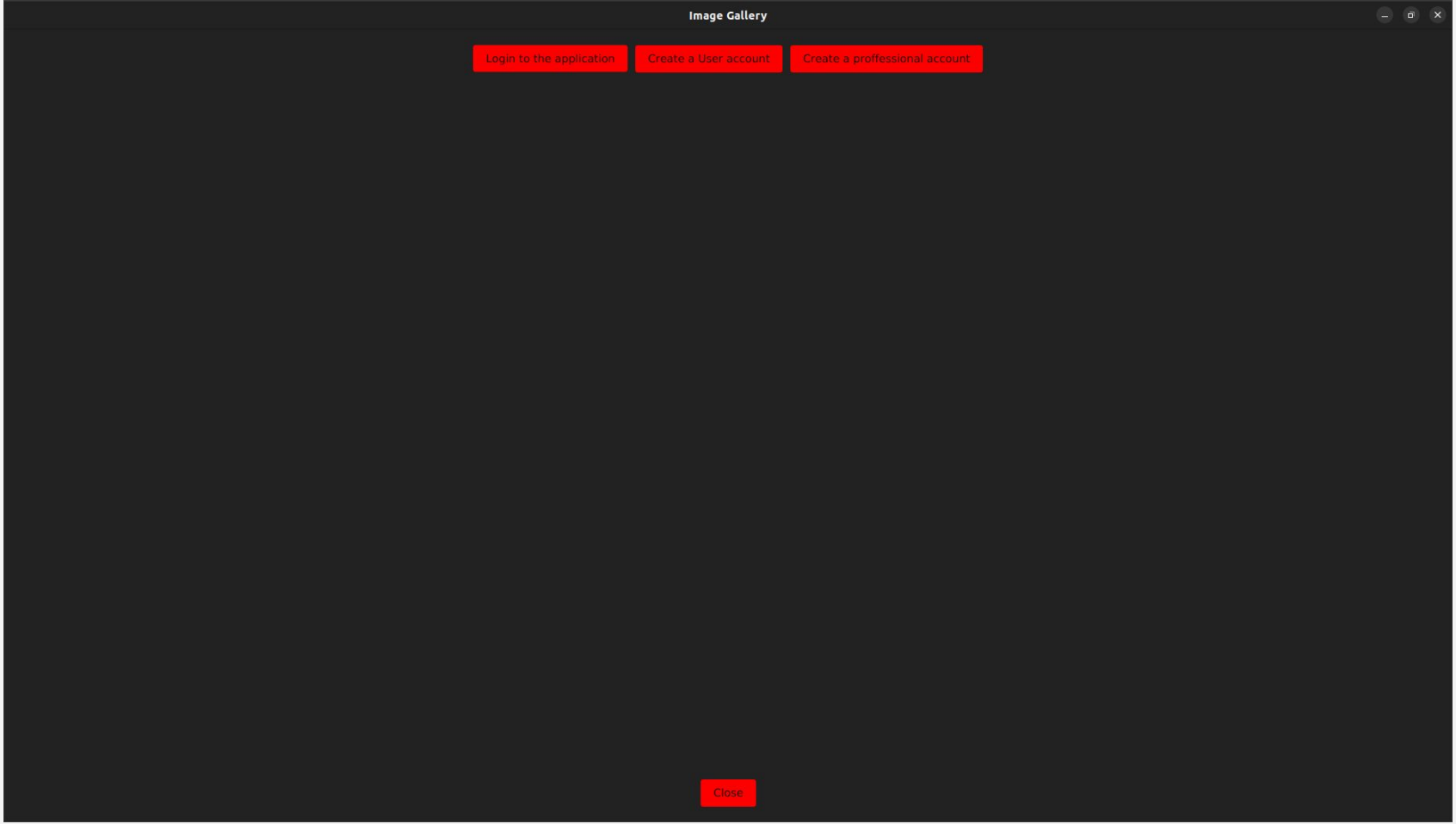


Image Gallery
Login to the application
Create a User account
Create a proffessional account
Close

Home Page

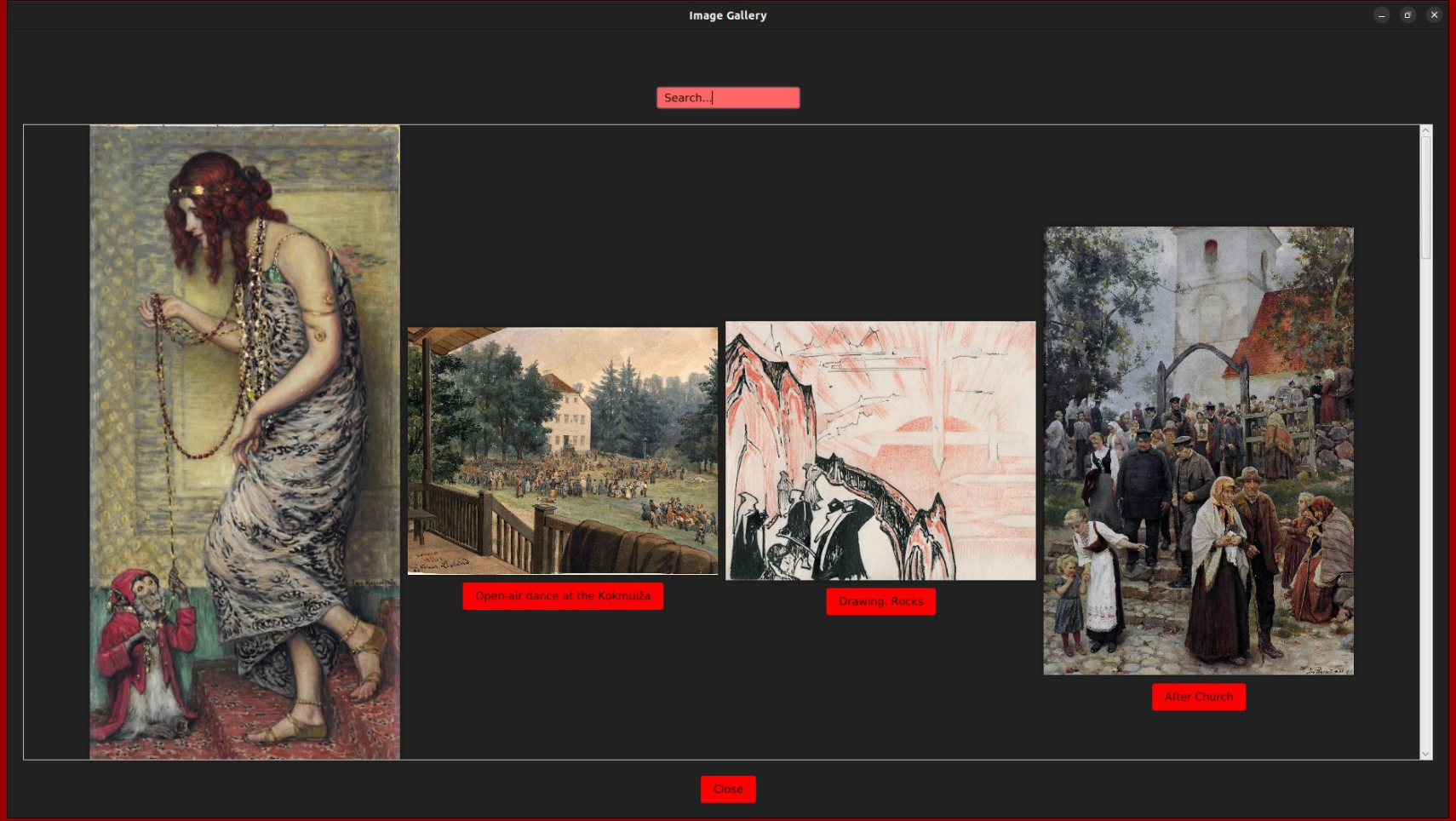
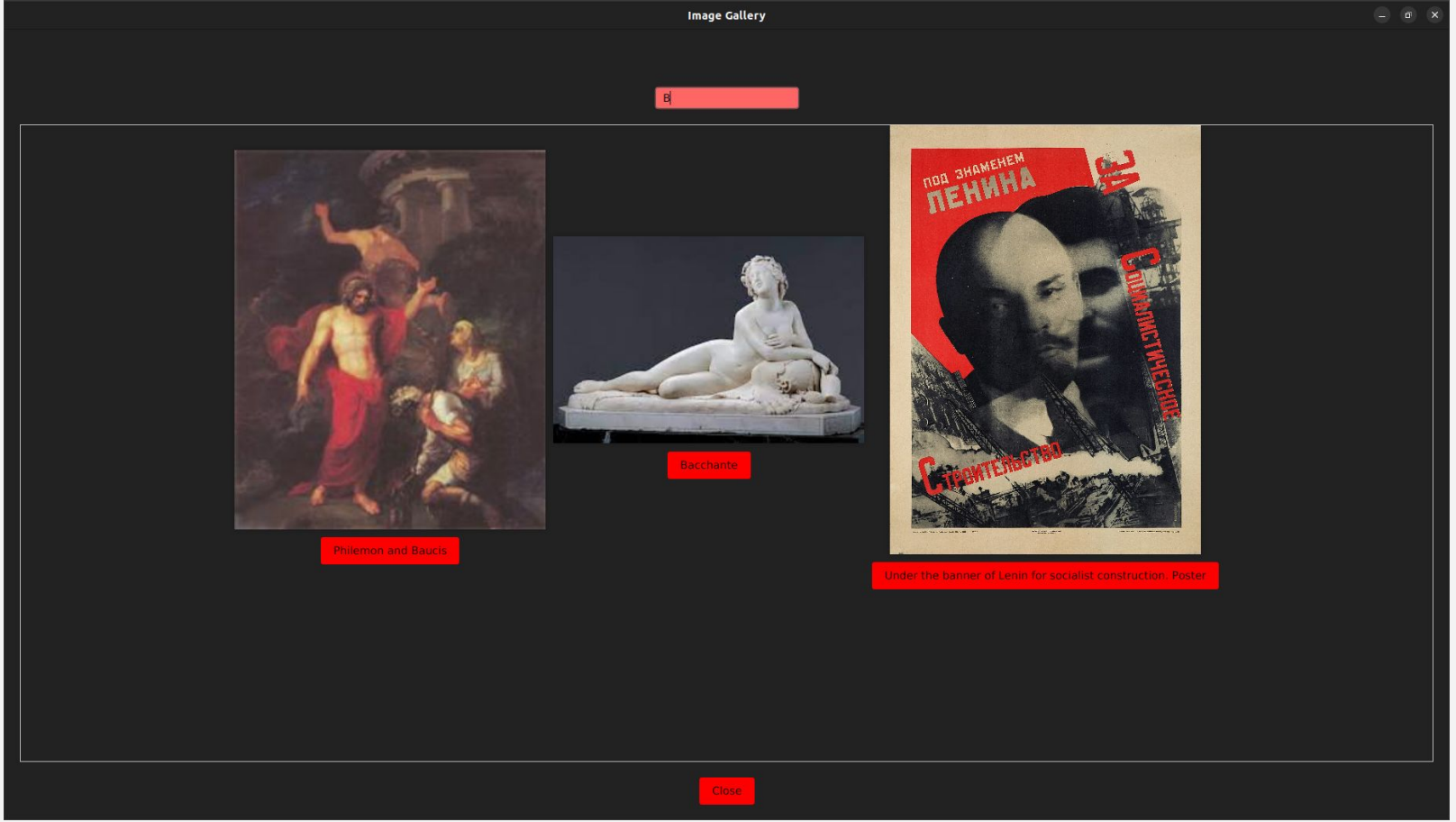


Image Gallery
Search...
Open-air dance at the Kokmuiža
Drawing. Rocks
After Church
Close

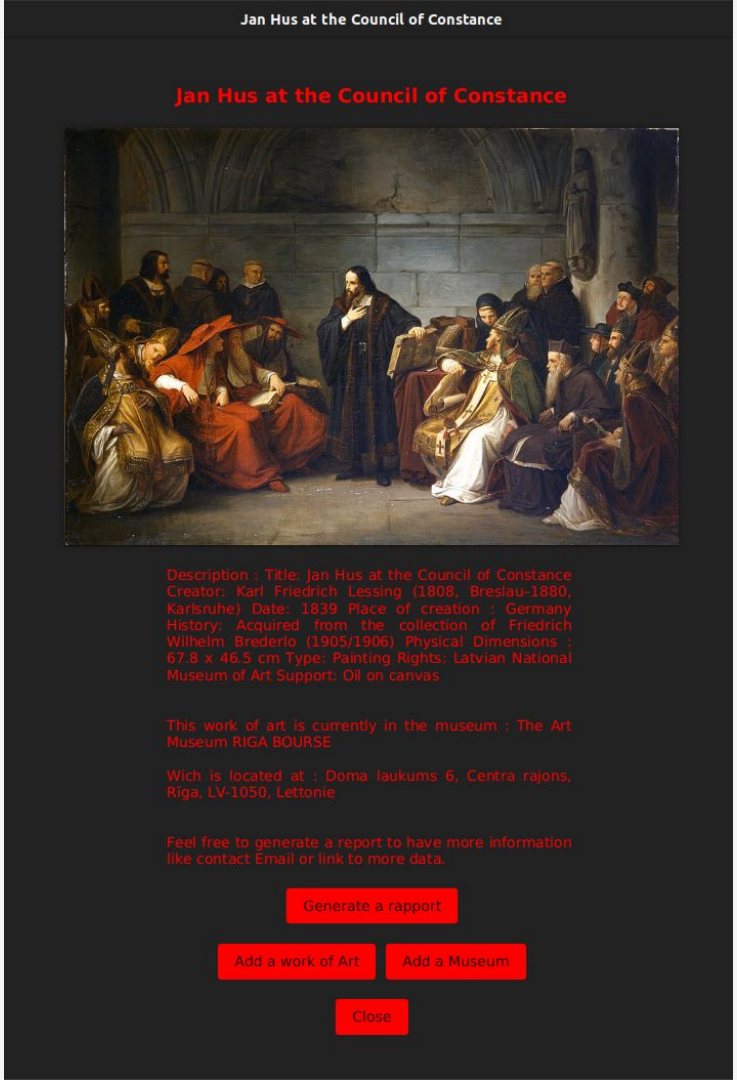
The Gallery



Search for a work of art

05 Features

Examples of Information about a work of art :



A Woman with a Fan

Description : Title: A Woman with a Fan Date: 1896/1896 Physical Dimensions: w29 x h43.2 cm Painter: Janis Rozentāls Type: Watercolours Rights: LNMA

This work of art is currently in the museum : Latvian National Museum of Art

Wich is located at : Jaņa Rozentāla laukums, Central District, Riga, Latvia

Feel free to generate a report to have more information like contact Email or link to more data.

Generate a rapport

Add a work of Art | Add a Museum

Close

Shipwreck

Description : Titre: Shipwreck Creator: Johann Christian Clausen Dahl (1788, Bergen–1857, Dresden) Date: 1832 Places of creation: Norway History: Acquired from the collection of Friedrich Wilhelm Brederlo (1905/1906) Physical Dimensions: 31.8 x 25.1 cm Type: Painting Rights: Latvian National Museum of ArtSupport: Oil on canvas

This work of art is currently in the museum : The Art Museum RIGA BOURSE

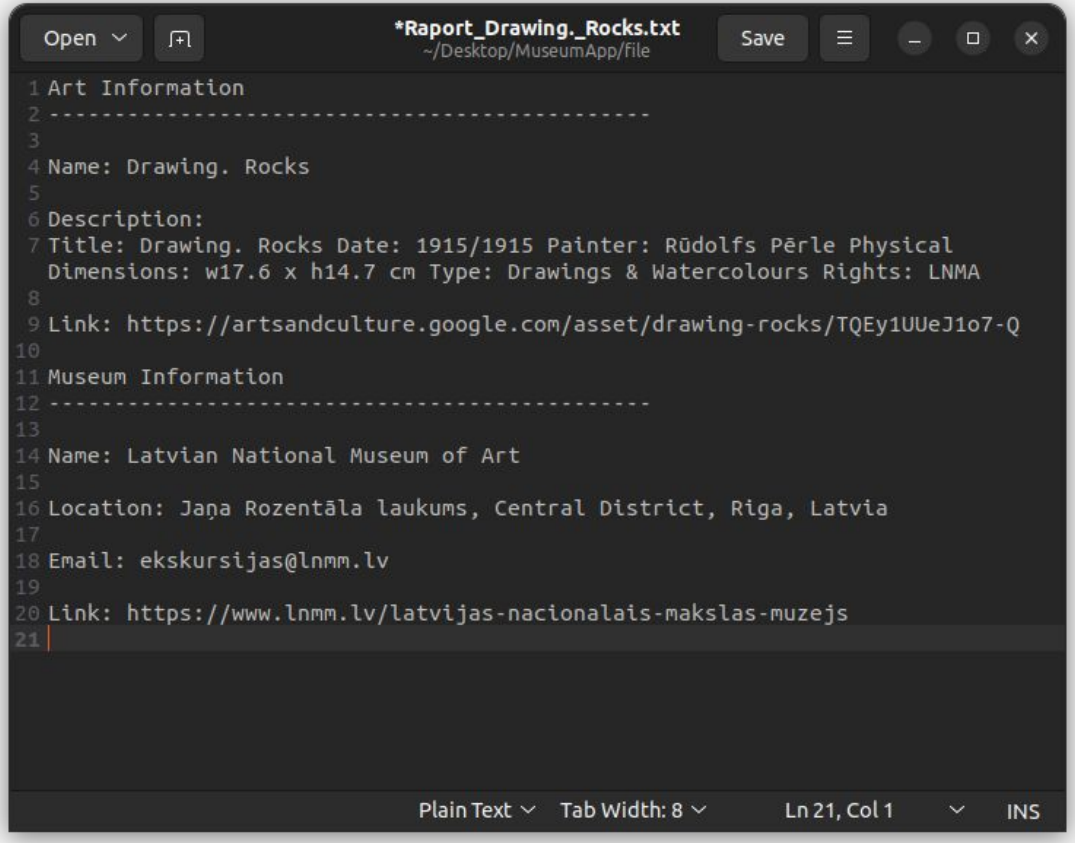
Wich is located at : Doma laukums 6, Centra rajons, Rīga, LV-1050, Lettonie

Feel free to generate a report to have more information like contact Email or link to more data.

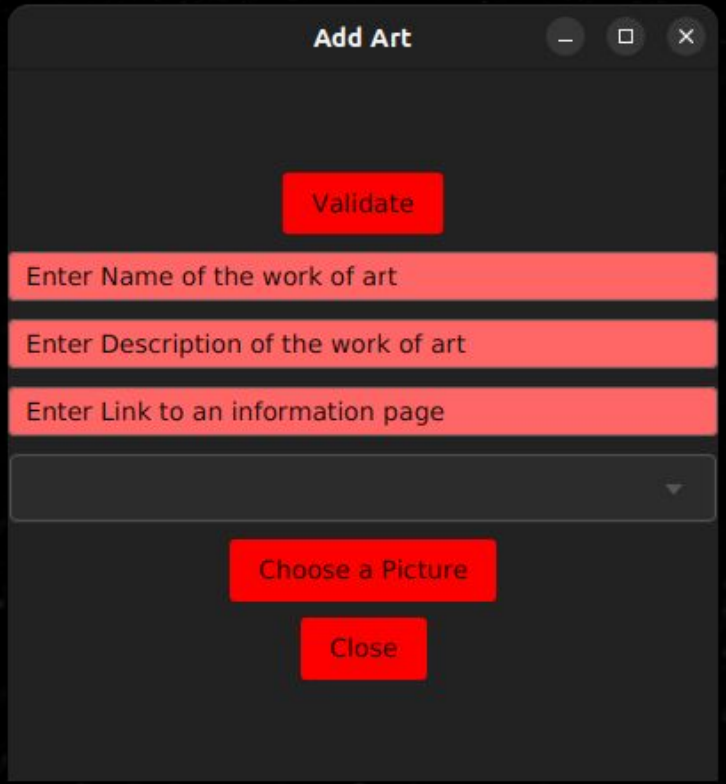
Generate a rapport

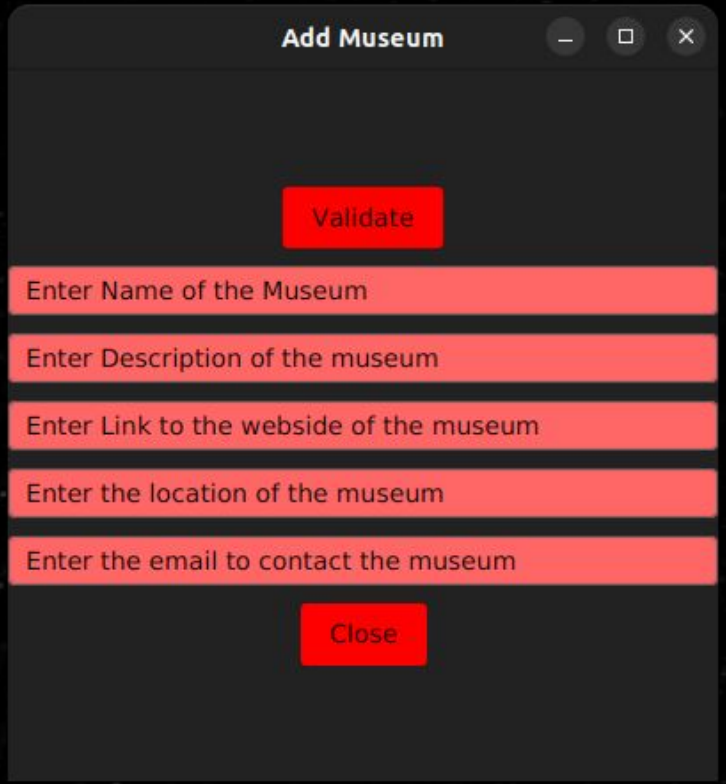
Add a work of Art | Add a Museum

Close



Example of a report





Windows to add a work of art or a museum

Conclusion 06

Thanks