



Museum Application

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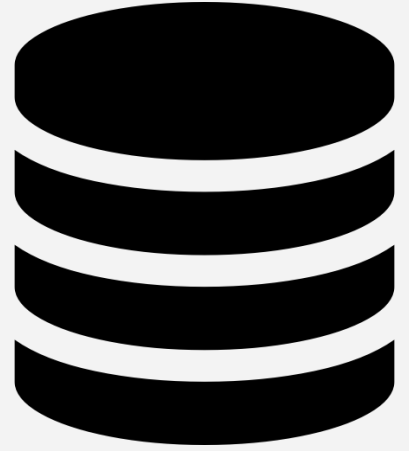
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A low-angle, upward-looking photograph of several modern skyscrapers with glass facades. The image is overlaid with a thin white rectangular frame. The text '01 Introduction' is centered within this frame in a white serif font.

01 Introduction





Time Distribution 02

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

```
* 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

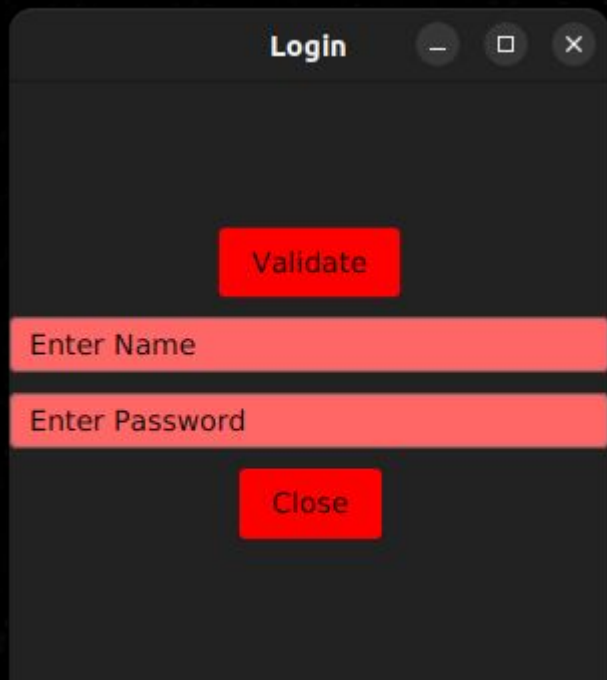
    /**
     * Constructs an `Art` object with the specified information.
     *
     * @param identifier The identifier of the art
     * @param name       The name of the art
     * @param picture    The picture/image of the art
     * @param museum     The museum associated with the art
     * @param 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

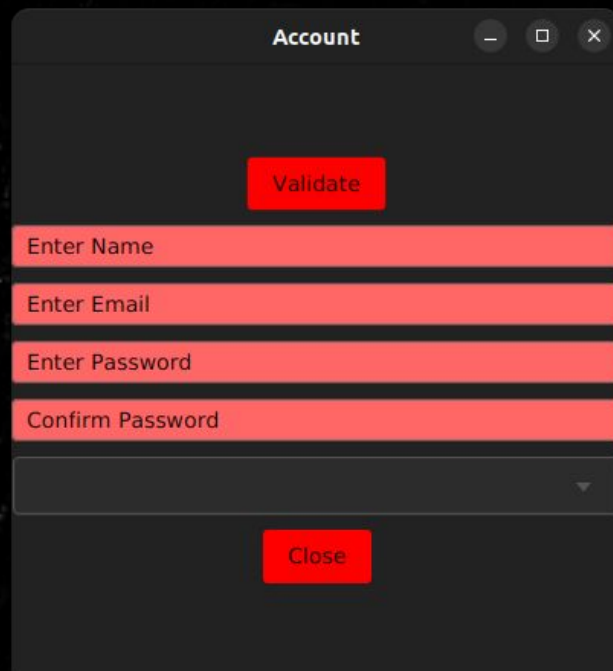
```
/**
 * The `User` class represents a general user with their associated information.
 * It provides methods to access and retrieve user details such as name, ID, password, and email.
 */
public class User {

    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;
    }
}
```



A dark-themed window titled "Login" with standard macOS-style window controls (minimize, maximize, close). The interface includes a red "Validate" button at the top, followed by two red input fields labeled "Enter Name" and "Enter Password". At the bottom is a red "Close" button.



A dark-themed window titled "Account" with standard macOS-style window controls (minimize, maximize, close). The interface includes a red "Validate" button at the top, followed by four red input fields labeled "Enter Name", "Enter Email", "Enter Password", and "Confirm Password". Below these is a grey dropdown menu with a downward arrow. At the bottom is a red "Close" button.

**Windows for creating or
connecting to an account**

Add Museum

Validate

Enter Name of the Museum

Enter Description of the museum

Enter Link to the webside of the museum

Enter the location of the museum

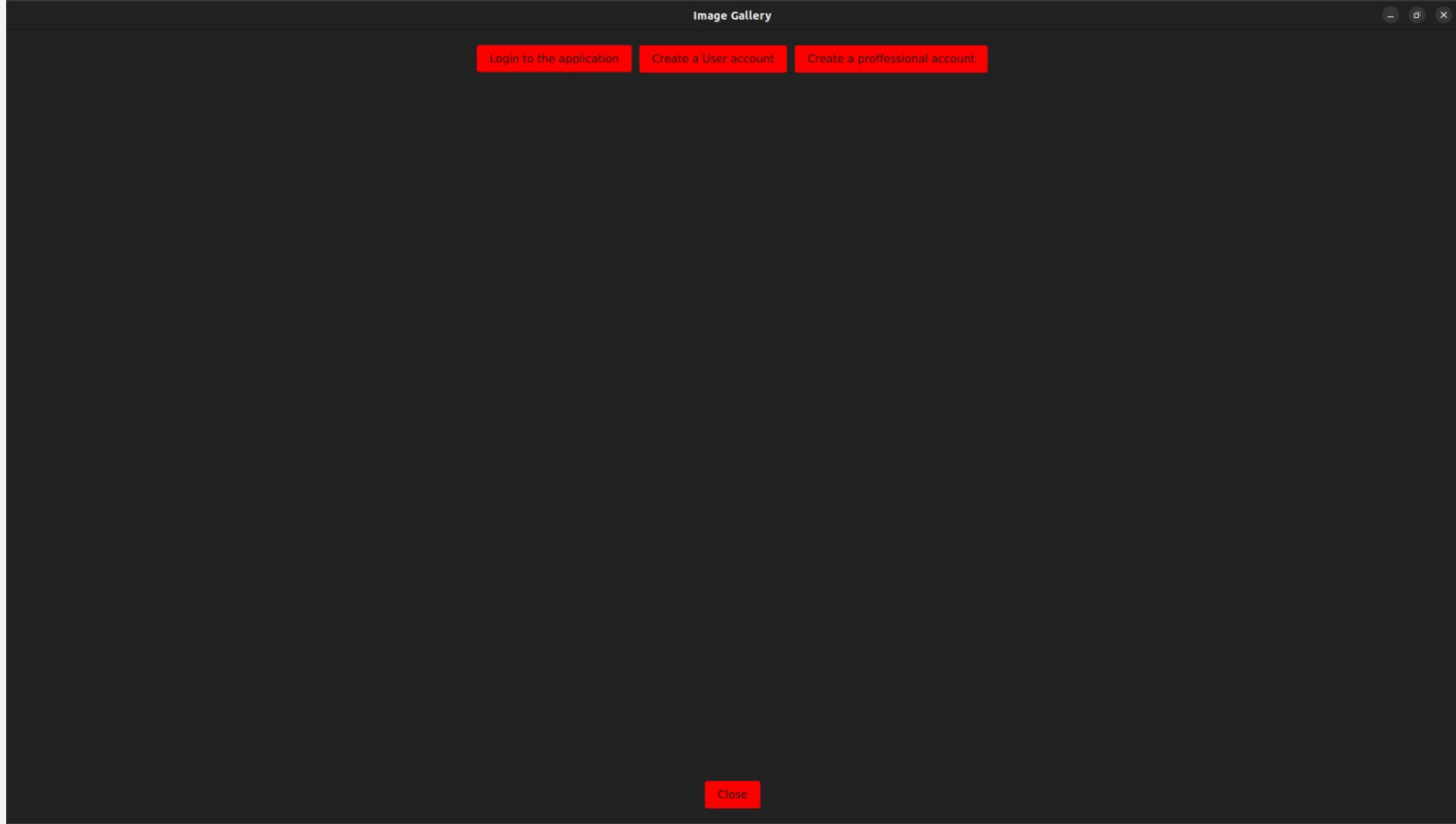
Enter the email to contact the museum

Close

Create a professional account



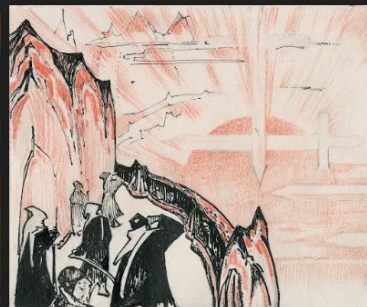
Application Design 04



Home Page



Open-air dance at the Kokmuža



Drawing, Rocks



After Church

8



Philemon and Baucis



Bacchante



Under the banner of Lenin for socialist construction; Poster

Close

Search for a work
of art



05 Features

Examples of Information about a work of art :

Jan Hus at the Council of Constance



Description : Title: Jan Hus at the Council of Constance
Creator: Karl Friedrich Lessing (1808, Breslau-1880, Karlsruhe)
Date: 1839 Place of creation : Germany
History: Acquired from the collection of Friedrich Wilhelm Brederlo (1905/1906)
Physical Dimensions : 67.8 x 46.5 cm Type: Painting Rights: Latvian National Museum of Art Support: Oil on canvas

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

Wich is located at : Doma iaukums 6, Centra rajons, Riga, 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

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 : Jana Rozentāla iela, 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 iela, Centra rajons, Riga, LV-1050, Lettonie

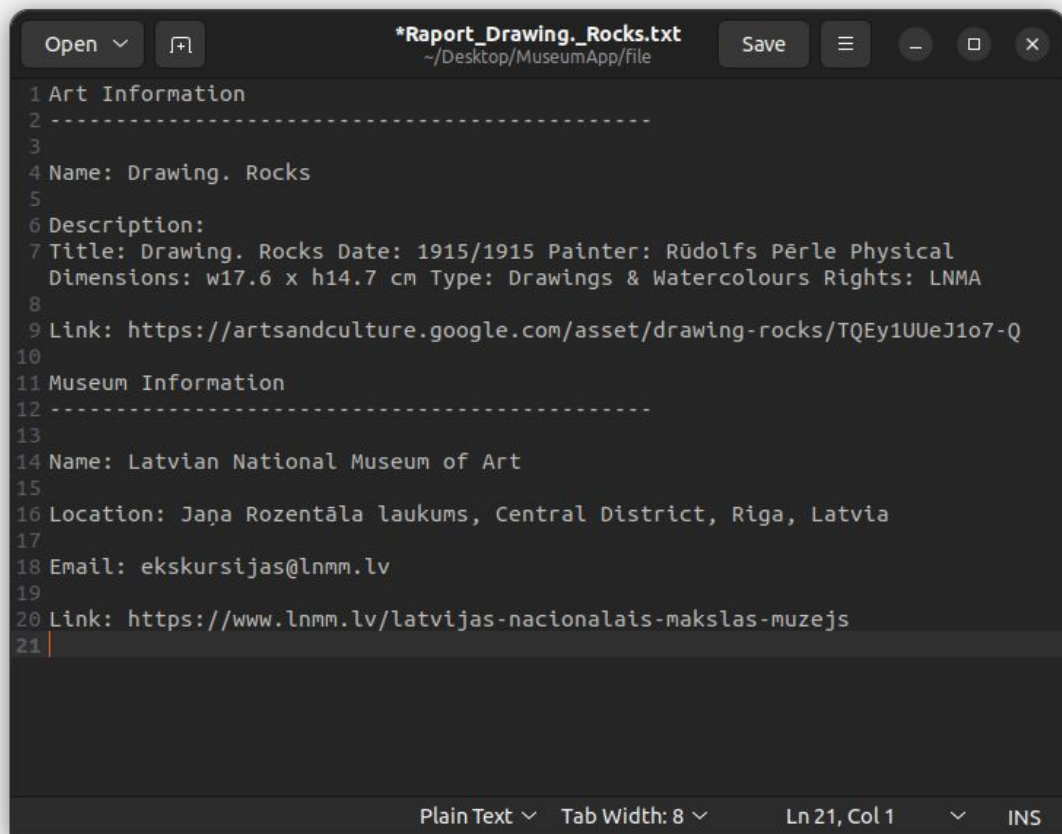
Feel free to generate a report to have more information like contact Email or link to more data.

Generate a rapport

Add a work of Art

Add a Museum

Close



The image shows a text editor window with a dark theme. The title bar reads '*Report_Drawing_Rocks.txt' and the file path is '~/.Desktop/MuseumApp/file'. The editor contains a report with two main sections: 'Art Information' and 'Museum Information'. The 'Art Information' section includes fields for Name, Description (with Title, Date, Painter, Physical Dimensions, Type, and Rights), and a Link. The 'Museum Information' section includes fields for Name, Location, Email, and a Link. The cursor is at the end of line 21.

```
1 Art Information
2 -----
3
4 Name: Drawing. Rocks
5
6 Description:
7 Title: Drawing. Rocks Date: 1915/1915 Painter: Rūdolfs Pērle Physical
8 Dimensions: w17.6 x h14.7 cm Type: Drawings & Watercolours Rights: LNMA
9 Link: https://artsandculture.google.com/asset/drawing-rocks/TQEy1UUeJ1o7-Q
10
11 Museum Information
12 -----
13
14 Name: Latvian National Museum of Art
15
16 Location: Jaga Rozentāla laukums, Central District, Riga, Latvia
17
18 Email: ekskursijas@lnmm.lv
19
20 Link: https://www.lnmm.lv/latvijas-nacionalais-makslas-muzejs
21 |
```

Plain Text ▾ Tab Width: 8 ▾ Ln 21, Col 1 ▾ INS

Example of a report

Add Art

Validate

Enter Name of the work of art

Enter Description of the work of art

Enter Link to an information page

Choose a Picture

Close

Add Museum

Validate

Enter Name of the Museum

Enter Description of the museum

Enter Link to the webside of the museum

Enter the location of the museum

Enter the email to contact the museum

Close

**Windows to add a work of
art or a museum**

A low-angle, upward-looking photograph of several modern skyscrapers against a cloudy sky. The buildings are made of glass and steel, with many windows visible. The perspective creates a sense of height and scale. The entire image is overlaid with a semi-transparent dark red filter.

Conclusion 06



Thanks