

Art-house

Design steps

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Thema: Design Steps
Author: Remo Aeberli

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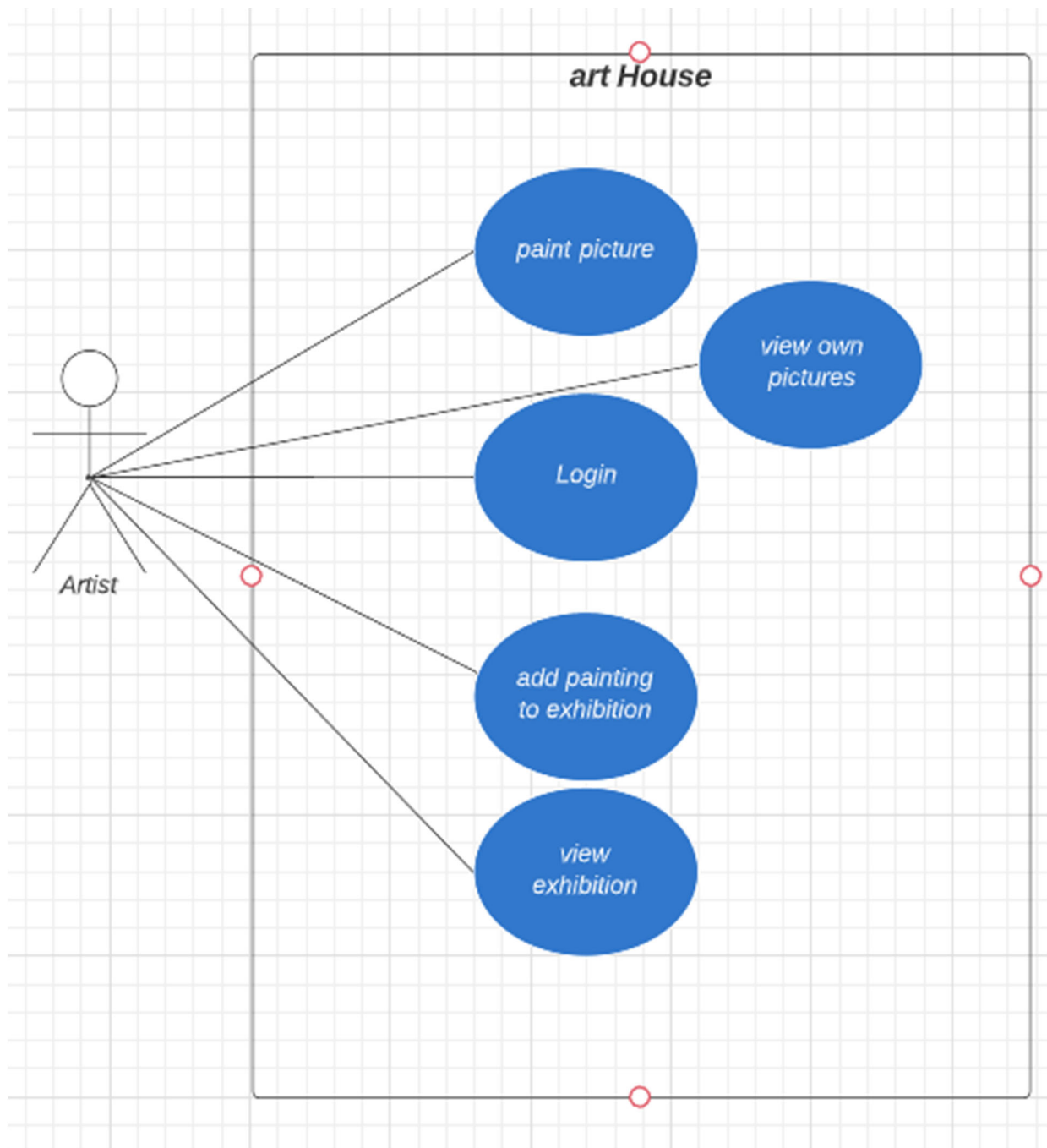
1 Project description

In this Project, you can become a real **artist!**

Visit the Page and start to **draw paintings**. Add them to Exhibitions and have a look at all the beautiful paintings in that exhibition. Not enough? Look at every single Painting ever painted and added to exhibitions **globally!**



2 Use Case



3 Use Case Descriptions

Use Case #1	Login
Pre-Condition	The user starts the application and visits the webpage.
Description of Use Case in detail (main scenario)	The user gets redirected to the login page and is required to fill out the username and password field.
Post-Condition	The Input should match the username and password of the database data. If so, he will be redirected to the main page.
Exceptions (what can go wrong, how will the system respond?)	If the Input does not match the data, no redirect will happen and an error message is shown.

Use Case #2	Paint picture
Pre-Condition	The user is in the main menu.
Description of Use Case in detail (main scenario)	The user is able to draw a new picture by drawing into a canvas and then saving it.
Post-Condition	The picture gets saved into the database with information about the colors and the artist.
Exceptions (what can go wrong, how will the system respond?)	There is no exception, since the drawing could theoretically be empty.

Use Case #3	View own picture
Pre-Condition	The user is in the main menu.
Description of Use Case in detail (main scenario)	The user is able to view his previously drawn pictures.
Post-Condition	Numbered pictures of drawn paintings are shown on webpage
Exceptions (what can go wrong, how will the system respond?)	There is no exception, since no input or else is waited for.

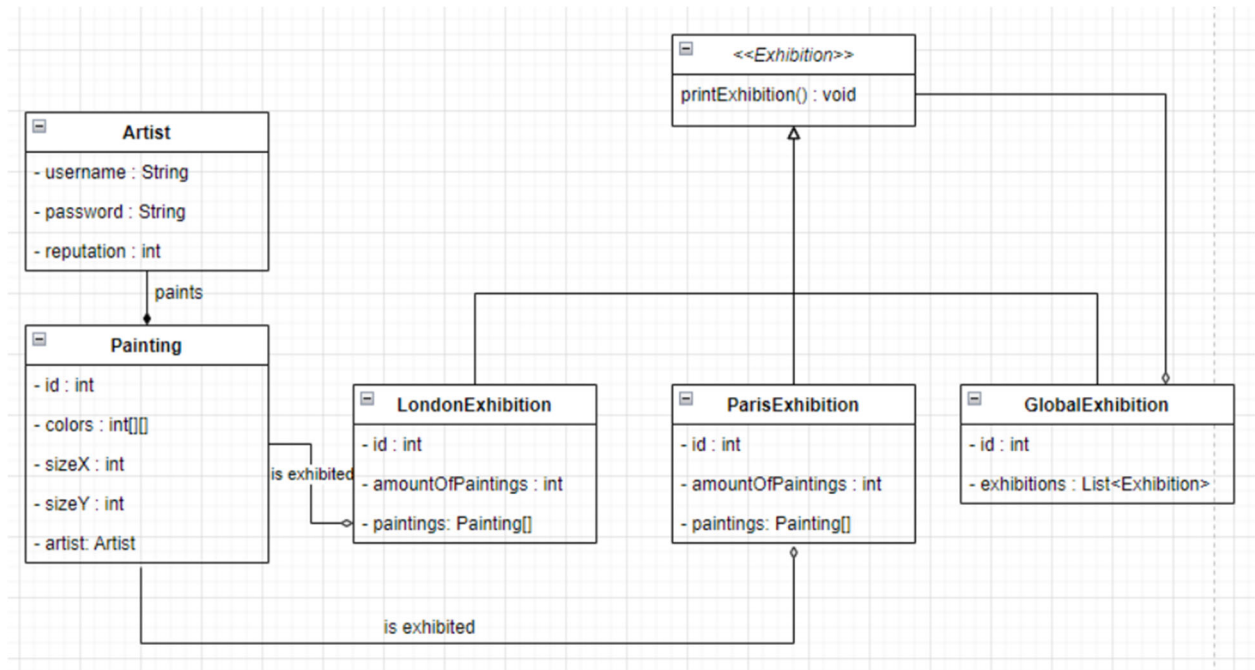
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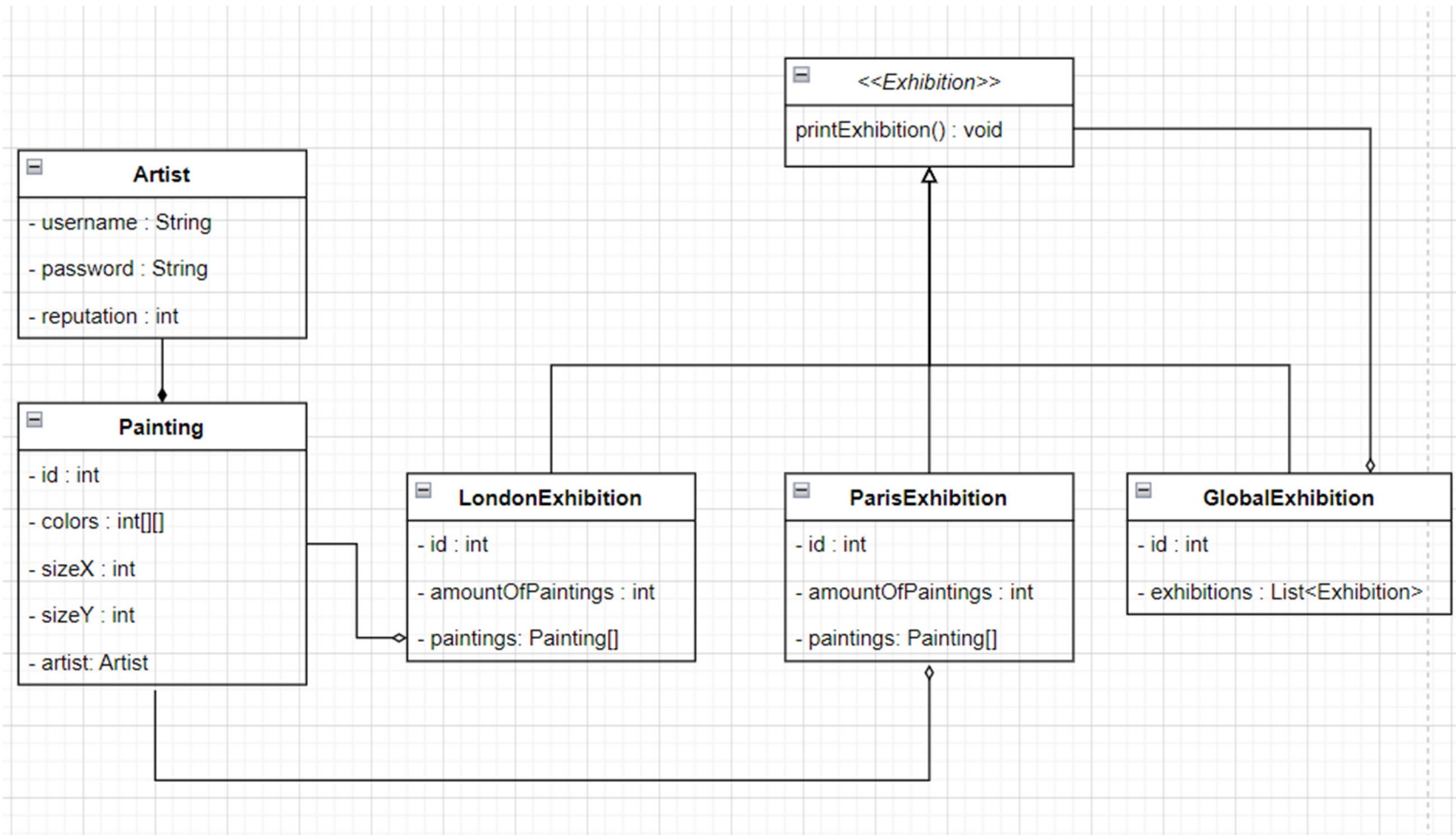
Use Case #4	Add painting to exhibition
Pre-Condition	The user is in the main menu
Description of Use Case in detail (main scenario)	User is able to choose a painting and to which exhibition he wants to add this
Post-Condition	Painting gets added to exhibition
Exceptions (what can go wrong, how will the system respond?)	No Paintings exist yet and error message is shown

Use Case #5	View exhibition
Pre-Condition	The user is in the main menu
Description of Use Case in detail (main scenario)	User is able to choose an exhibition and view the paintings of that.
Post-Condition	All paintings in chosen exhibition will be shown.
Exceptions (what can go wrong, how will the system respond?)	No exceptions that could be thrown

4 Domain Model



5 UML



6 CRC-Cards

Artist	
• Able to draw Paintings	
<div>Edit card #1 × ↓</div>	

Painting	
• Able to be drawn onto	• Artist
<div>Edit card #2 × ↑ ↓</div>	

Exhibition	
• Base Component	
<div>Edit card #3 × ↑ ↓</div>	

GlobalExhibition	
Exhibition LondonExhibition, ParisExhibition	
• Have all Paintings ever painted	
<div>Edit card #4 × ↑</div>	