Design Report – Cards Going Postal

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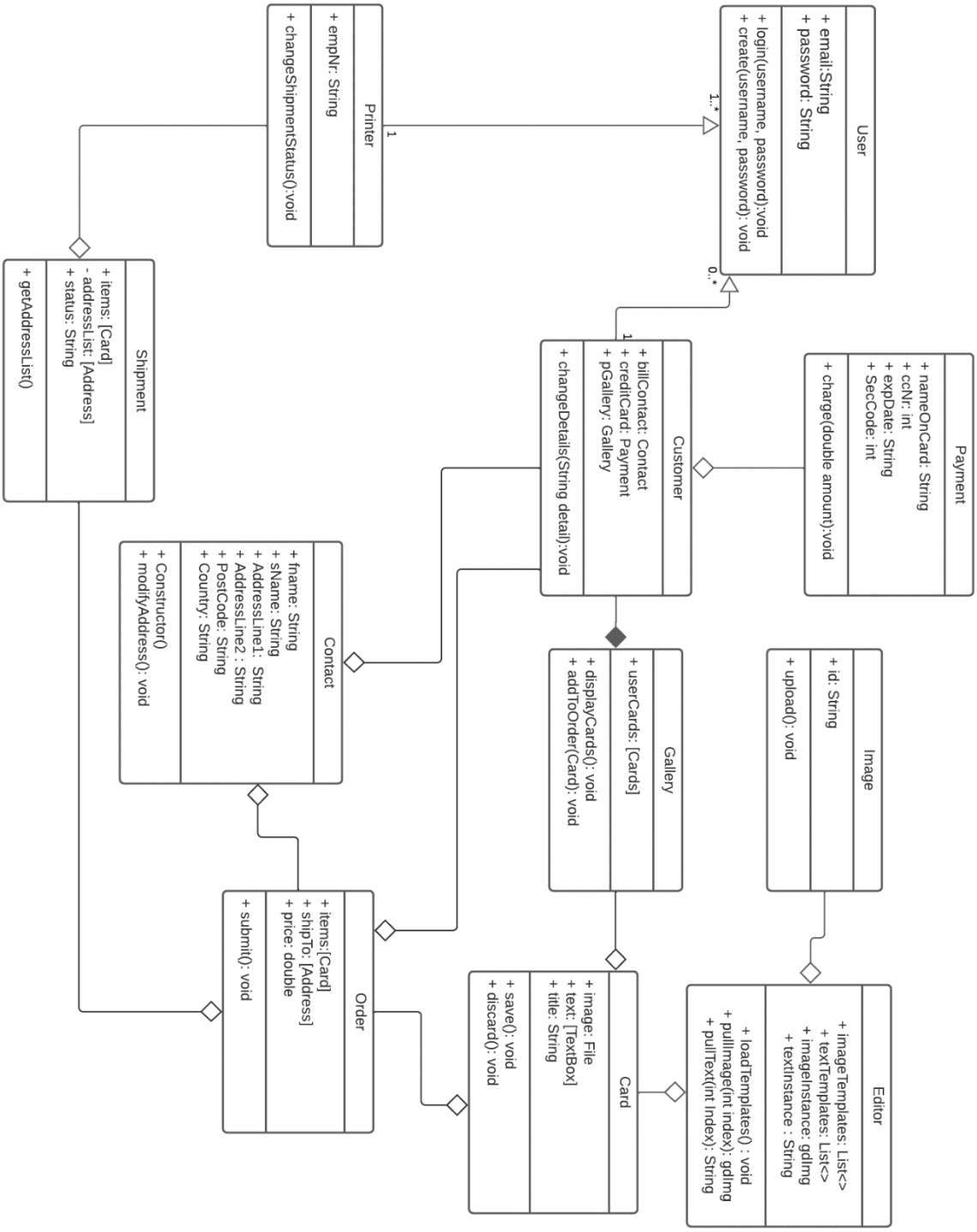
Classes



User:

Masterclass for every user on the platform holding the base information of email and password for authentication.

Customer: *extends* **User**

This class handles all customer data needed to make unique **Order**s for the desired postcards and links to payment methods.

Printer: *extends* **User**

This class is for site employees managing orders and extending the template library together with other administrative tasks.

Contact:

This class holds the attributes needed to handle shipments and functions as an object to identify the billing address of a **Customer.**

Image:

Used to feed new image templates into the system.

Editor:

This class makes use of the gd.dll for image manipulation, handling the design of **Cards** and display of the available templates.

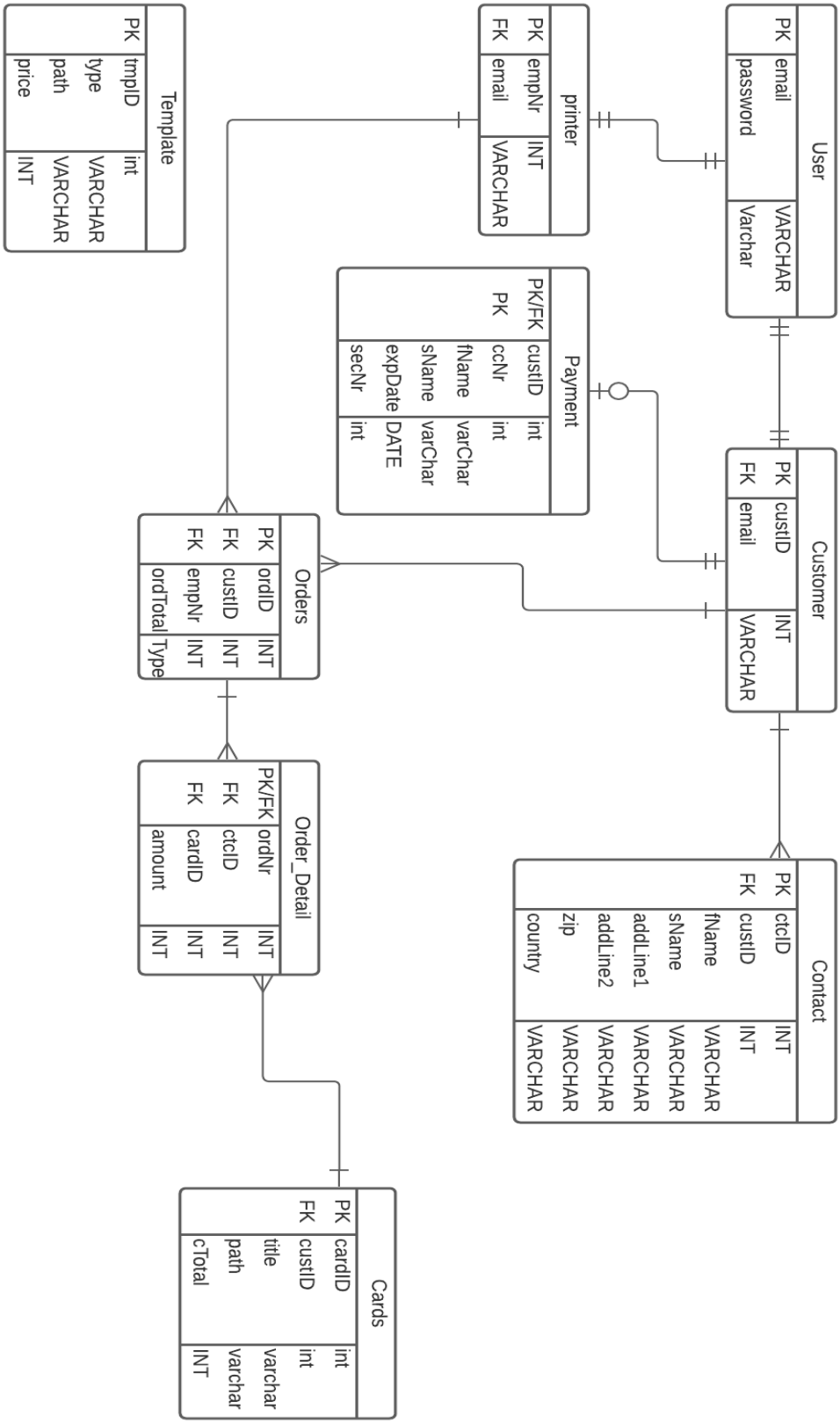
Card:

Mainobject and sales product. Created in the editor this personal object is directly linked with a **Customer Gallery.**

Gallery:

Customers personal library of **Cards**.

Database


User
PK email VARCHAR
password Varchar
printer
PK empNr INT
FK email VARCHAR
Template
PK tmplID int
type VARCHAR
path VARCHAR
price INT
Payment
PK/FK custID int
PK ccNr int
fName varChar
sName varChar
expDate DATE
secNr int
Customer
PK custID INT
FK email VARCHAR
Contact
PK ctcID INT
FK custID INT
fName VARCHAR
sName VARCHAR
addLine1 VARCHAR
addLine2 VARCHAR
zip VARCHAR
country VARCHAR
Orders
PK ordID INT
FK custID INT
FK empNr INT
ordTotal Type
Order_Detail
PK/FK ordNr INT
FK ctcID INT
FK cardID INT
amount INT
Cards
PK cardID int
FK custID int
title varchar
path varchar
cTotal INT