**Uml Diagram**

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| ***PEARSON*** |
| # String type  # int id  # String name  # String password |
| + PEARSON(String,int,String,String)  + void setId(int)  + void setName(String)  + void setPassword(String)  + int getId()  + String getName()  + String getPassword()  + abstract PEARSON get\_data(); |

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| ***ARTIST*** |
| - String nationality  - String []styleOfArts  - int totalMoney  - int nOfStyleOfArts;  - int age |
| + ARTIST()  +ARTIST(int,String,String,int,int,String[],String)  + String getNationality()  + String[] getStyleOfArts()  + int getTotalMoney()  + int getnOfStyleOfArts()  + void setNationality(String)  + void setAge(int)  + int getAge()  + void setStyleOfArts(String[])  + void setTotalMoney(int)  + void setnOfStyleOfArts(int)  + PEARSON get\_data() |

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| ***CUSTOMER*** |
| - String address  - int totalMoney |
| + CUSTOMER()  +CUSTOMER(int,String,String,String)  + void setAddress(String)  + void setTotalMoney(int)  + String getAddress()  + int getTotalMoney()  + PEARSON get\_data() |

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| ***ARTWORK*** |
| - int idArtist  - int idCustomer  - int id  - String title  - String typeOfArt  - int price  - String path  - int year |
| + ARTWORK()  + ARTWORK(int,String,int,int,String,int,int,String)  + int getYear()  + void setYear(int)  + void setIdArtist(int)  + void setIdCustomer(int)  + void setId(int)  + void setTitle(String)  + void setTypeOfArt(String)  + void setPrice(int)  + int getIdArtist()  + int getIdCustomer()  + int getId()  + String getTitle()  + String getTypeOfArt()  + int getPrice()  + String getPath()  + void setPath(String) |

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| ***ReadWriteDataFromFiles*** |
| + static PEARSON pearsons[]  + static int pearsonssize  + static ARTWORK artwork[]  + static int artworksize  + static int customersize  + static int artistssize |
| + static void addNewartwork(ARTWORK)  + static void add\_artist(ARTIST)  + static void add\_customer(CUSTOMER)  + static void readDataFromPearsons()  + static void WriteDataIntoPearsons()  + static void readDataFromArtWork()  + static void WriteDataIntoArtWork() |