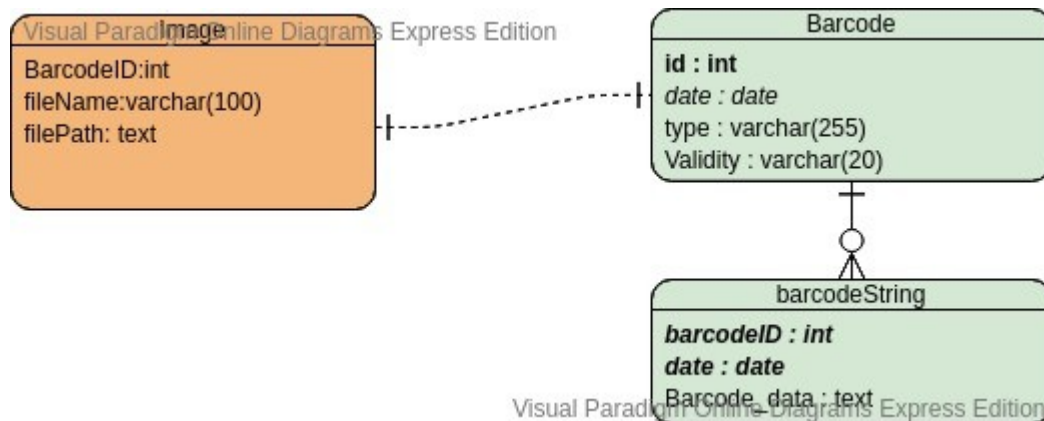


ACCESS CONTROL ER DIAGRAM

this is the entity relationship diagram for the access control system , this system comprises of a simple database that hold s the access control data and barcode information

the diagram comprises of

- 1) **the Bracode Table** : this table holds the basic information about the genearted barcodes
- 2) **Image** table is used to store thw barcode images and filelocation
- 3) **BarcodeString** : holds the actual barcode string



ACCESS CONTROL CLASS DIAGRAM

the class diagrams consist of four main classes for the access control module

1. **Admin** : this is the class used by the admin to collect user information and pass it off to the Access control Class
2. **Acess Contol** : this class is the class repsonsible for generating barcodes and barcode images.this class receives information from the admin class and uses it to generate the barcodes
3. **Barcode**: classes that hold the logic for genersting barcodes and barcode images,it receives data from thr Access control class and returns a barcode image or json object with abarcode image
- 4 **Database** : contains the database logid . This class is invoked by the Acess control class and is used to interact with the database

