Class Diagram
Group - 08

Invoice management system

Brand

- - id:int
- - name:String
- - user:User

- + save(Brand brand)
- + getAllBrands(User user):List<Brand>
- + getById(int id):Brand
- + delete(Brand brand)

User

- - id:int
- - name:String
- - password:String
- - profiles:List<Profiles>

- + save(User user)
- + findByName(String name):User

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Product

- - id:int
- - name:String
- - buyingPrice:double
- - sellingPrice:double
- - quantity:int
- - brand:Brand
- - user:User

- + save(Product product)
- + getAllProducts(User user):List<Product>
- + getById(int id):Product
- + delete(Product product)

Profile

- - id:int
- - name:String
- - password:String
- - role:Role
- - user:User

- + save(Profile profile)
- + getByIdAndPassword(int id, String password):Profile
- + getByIdAndUser(int id, User user):Profile

Invoice

- - id:int
- - invoiceNo:String
- - date:Date
- - product:Product
- - user:User
- - profile:Profile
- - items:Set<Item>

- + save(Invoice invoice)
- + findById(int id):Invoice
- + getAllByUser(User user):List<Invoice>

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