Programming 2 Group Assignment

Group Members

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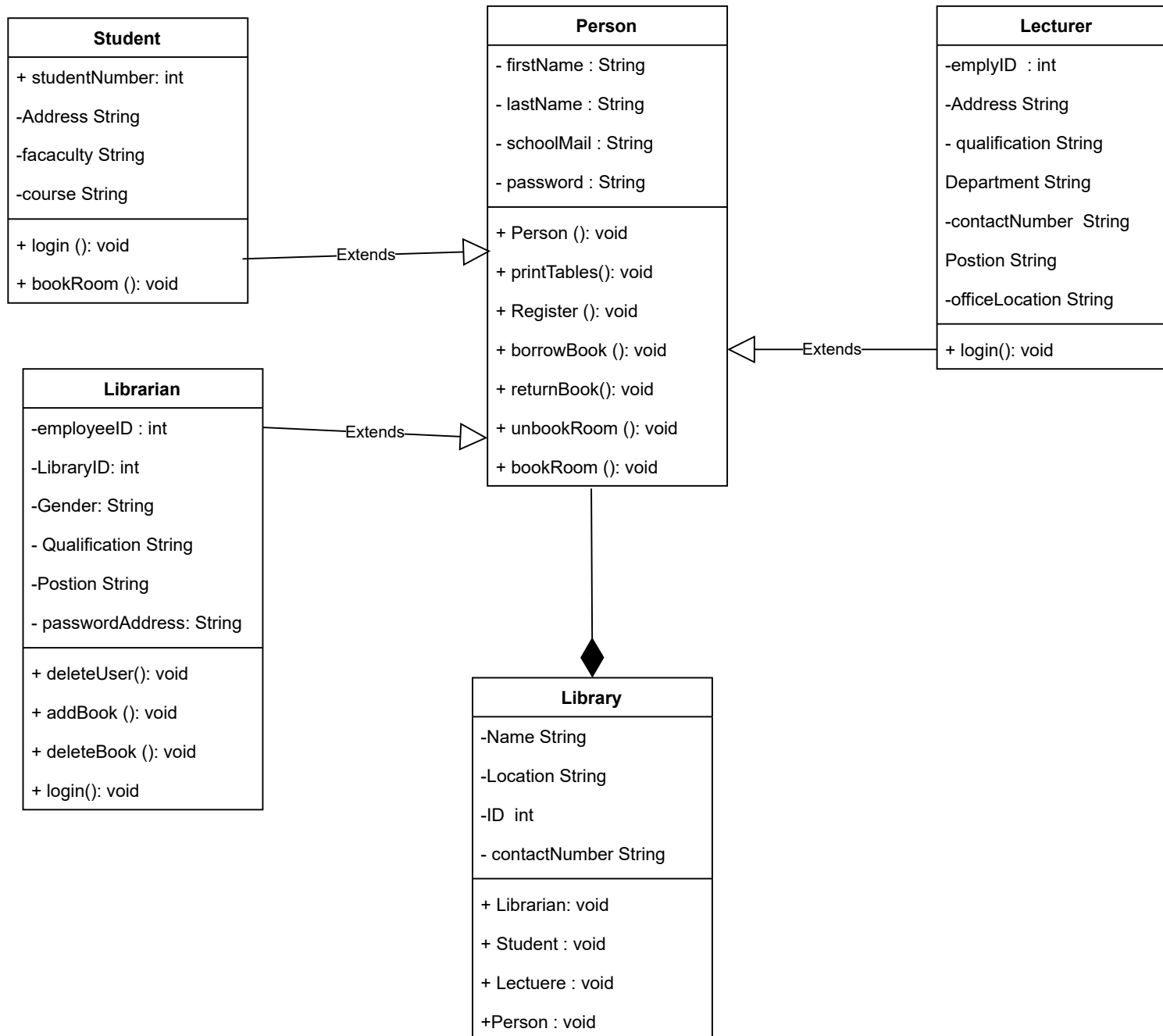
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UML DIAGRAM

Student
+ studentNumber: int
-Address String
-facaculty String
-course String

+ login (): void
+ bookRoom (): void

Person
- firstName : String
- lastName : String
- schoolMail : String
- password : String

+ Person (): void
+ printTables(): void
+ Register (): void
+ borrowBook (): void
+ returnBook(): void
+ unbookRoom (): void
+ bookRoom (): void

Lecturer
-emplyID : int
-Address String
- qualification String
Department String
-contactNumber String
Postion String
-officeLocation String

+ login(): void

Student —Extends→ Person

Lecturer —Extends→ Person

Librarian
-employeeID : int
-LibraryID: int
-Gender: String
- Qualification String
-Postion String
- passwordAddress: String

+ deleteUser(): void
+ addBook (): void
+ deleteBook (): void
+ login(): void

Librarian —Extends→ Person

Library
-Name String
-Location String
-ID int
- contactNumber String

+ Librarian: void
+ Student : void
+ Lectuere : void
+Person : void

OBJECT DIAGRAM

input

+ studentNumber: 2166752

-Address : Otavi

-facaculty : HAS

-course Science

+ login (): void

+ bookRoom (): void

User

- firstName : input

- lastName : input

- schoolMail : input

- password : input

+ Person (): void

+ printTables(): void

+ Register (): void

+ borrowBook (): void

+ returnBook(): void

+ unbookRoom (): void

+ bookRoom (): void

Input

-emplyID : 25

-Address : Ondangwa

- qualification : Honor

Department : Mathematic

-contactNumber : 0821345

Postion : lecturer

-officeLocation :FCI

+ login(): void

——Extends——

——Extends——

input

-employeeID : 673

-LibraryID: 34

-Gender: Female

- Qualification : master d

-Postion : manager

- passwordAddress: String

+ deleteUser(): void

+ addBook (): void

+ deleteBook (): void

+ login(): void

——Extends——

input

-Name : Nust

-Location: windhoek

-ID : 12

- contactNumber : 06185234

+ Librarian: void

+ Student : void

+Person : void