Biblioteca Leitura Requisição de Livros Requisição Nr: Data:// Devolução:/_/_ Nome:_				
Morada:	Telefone:			
Titulo	Autor	Colocação		
			•	
			Name	
Assinatura:		(le) Loan	(Address)	
		lurn	Phone	
		Book	(de)	
		tile fin	thor	

ESMAD Library					
Book loan request					
Loan nr:1897	Date:1/10/20	Return Date 5/10/20			
<b>User ID</b> : 502	Name: Jorge Lima				
<b>Phone</b> : 252 291 700	Address: Braga				
BookID	Title	Author			
100.5	Databases	Codd			
100.7	SQL	Jenny			
100.2	DB Normalization	Mary			

ESMAD Library					
Book loan request					
Loan nr:5240	<b>Date</b> :18/10/23	Return Date 23/10/23			
<b>User ID</b> : 1423	Name: Jackie				
<b>Phone</b> : 252 291 700	Address: Porto				
BookID	Title	Author			
100.5	Databases	Codd			

Loan: Nr, Date, RetDate, UID, UName, UPhone, UAddress, (BookID, Title, Author)\*

Loan: 1897, 1/10/20, 5/10/20, 502, Jorge Lima, 252 291 700, Braga, ((100.5, Databases, Codd),(100.7,SQL,Jenny),(100.2, DB Normalization, Mary))

5240, 18/10/23, 23/10/23, 1423, Jackie, 252 291 700, Porto, ((100.5, Databases, Codd))

## 1NF

Loan: Nr, Date, RetDate, UID, UName, UPhone, UAddress

LoanedBook: NR, BookID, Title, Author

Loan: 1897, 1/10/20, 5/10/20, 502, Jorge Lima, 252 291 700, Braga

5240, 18/10/23, 23/10/23, 1423, Jackie, 252 291 700, Porto

LoanedBook: 1897, 100.5, Databases, Codd

1897, 100.7, SQL, Jenny

1897, 100.2, DB Normalization, Mary

5240, 100.5, Databases, Codd

## 2NF

Loan: Nr, Date, RetDate, UID, UName, UPhone, UAddress

LoanedBook: NR, BookID

Book: BookID, Title, Author

Loan: 1897, 1/10/20, 5/10/20, 502, Jorge Lima, 252 291 700, Braga

5240, 18/10/23, 23/10/23, 1423, Jackie, 252 291 700, Porto

LoanedBook: 1897, 100.5

1897, 100.7

1897, 100.2

5240, 100.5

Book: 100.5, Databases, Codd

100.7, SQL, Jenny

100.2, DB Normalization, Mary

## 3NF

Loan: Nr, Date, RetDate, UID

User: UID, Name, Phone, Address

LoanedBook: NR, BookID

Book: BookID, Title, Author

**Loan**: 1897, 1/10/20, 5/10/20, 502

5240, 18/10/23, 23/10/23, 1423

User: 502, Jorge Lima, 252 291 700, Braga

1423, Jackie, 252 291 700, Porto

LoanedBook: 1897, 100.5

1897, 100.7

1897, 100.2

5240, 100.5

Book: 100.5, Databases, Codd

100.7, SQL, Jenny

100.2, DB Normalization, Mary