Sequence Diagram : Book Availability USE CASE

Student

User_Interface → **Get_Availability_Status** → **KOHA_DB**

- Student → User_Interface : getStatus(bookName)
- User_Interface → Get_Availability_Status : getStatus(bookName)
- Get_Availability_Status → KOHA_DB : GetStatus(bookName)
- KOHA_DB ⇠ Get_Availability_Status : Status :(Available/Unavailable)
- Get_Availability_Status ⇠ User_Interface : Status
- User_Interface ⇠ Student : Status
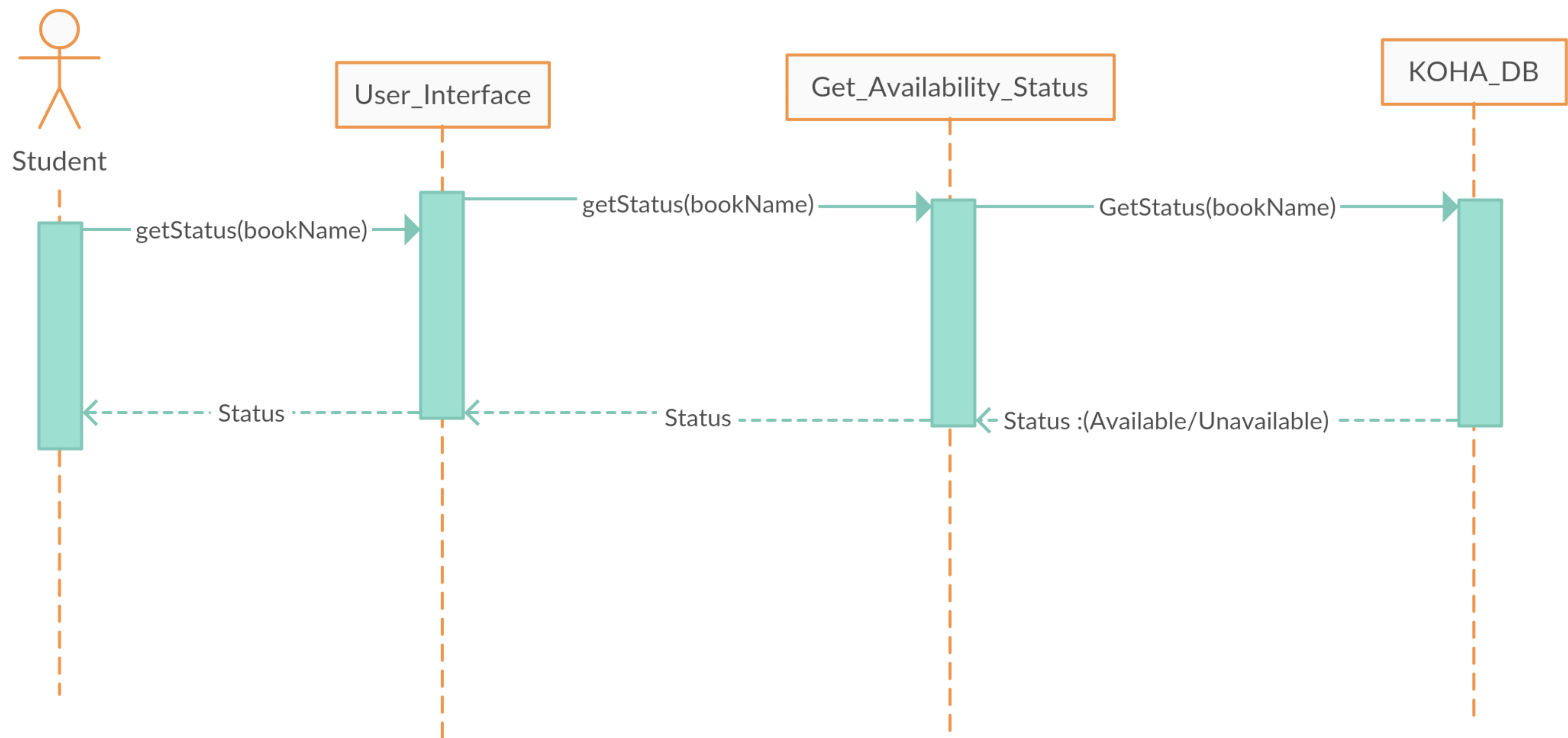
Sequence Diagram : Book Tagging Use Case

Librayr Staff

Book_Tag_UI → **BOOK_TAG** → **KOHA_DB**

- Librayr Staff → Book_Tag_UI : Reg_Book(bookName,RFID)
- Book_Tag_UI → BOOK_TAG : Reg_Book(bookName,RFID)
- BOOK_TAG → KOHA_DB : validate(bookName,RFID)
- KOHA_DB ⇠ BOOK_TAG : status : TAKEN/AVALABLE
- BOOK_TAG ⇠ Book_Tag_UI : if(status : taken)
- Book_Tag_UI ⇠ Librayr Staff : renter(uniqueRFID) (if : status : taken)
- BOOK_TAG ⇠ Book_Tag_UI : if(status : AVAILABLE)
- Book_Tag_UI → Librayr Staff : SUCCESS if(status : AVAILABLE)