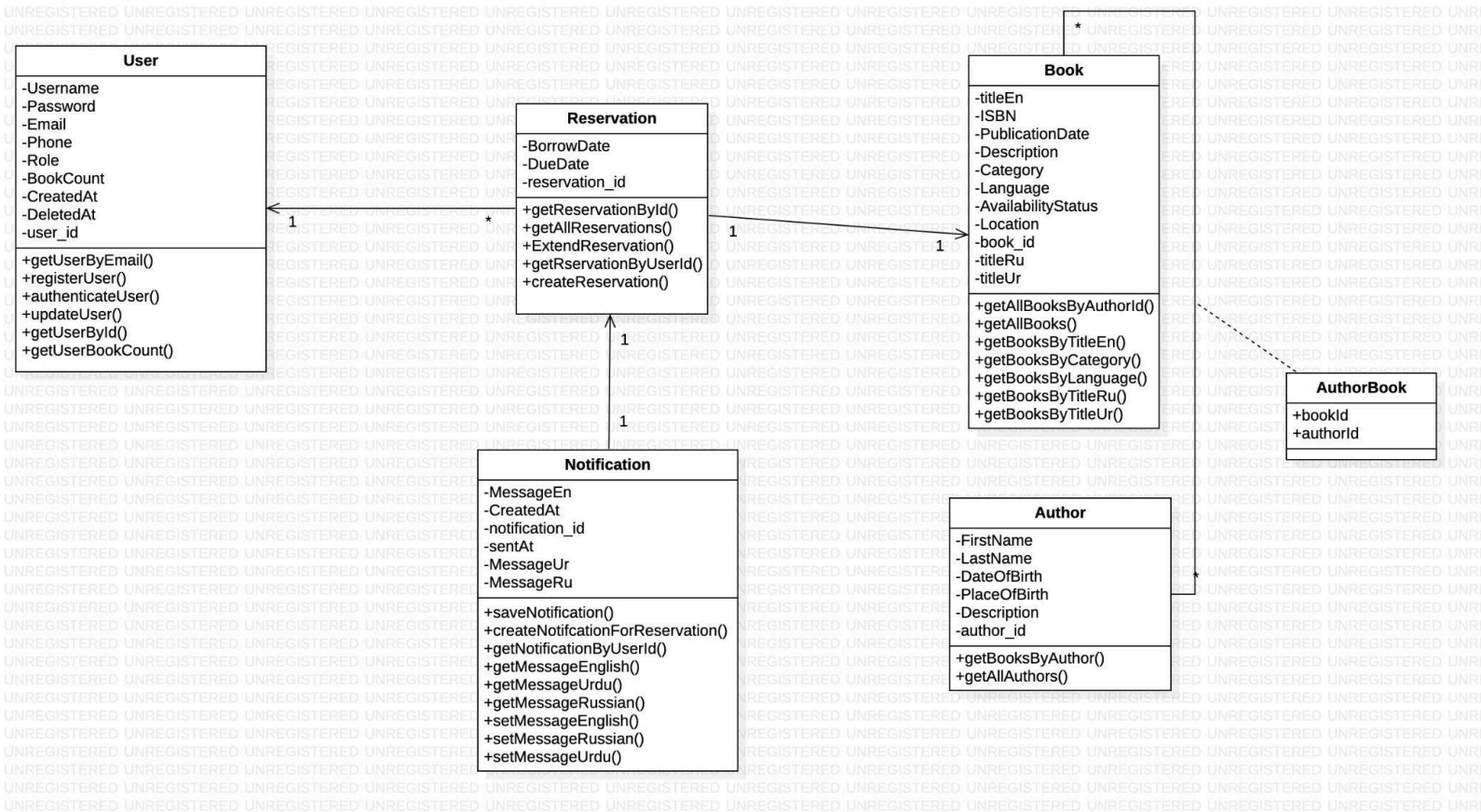


Luku Class Diagram

Group5:
Mahnoor
Trung Vu
Sergei Vilka



User

- One user can make multiple reservations (**one-to-many** with Reservation).

Reservation

- Each reservation is linked to exactly one book (**one-to-one** with Book).
- Each reservation triggers a notification (**one-to-one** with Notification).
- Multiple reservations can be made by one user (**one-to-many** with User).

Notification

- Each notification is linked only to a specific reservation (**one-to-one** with Reservation).
- Each translated message is generated in English, Russian and Urdu.

Book

- A book can be written by one or more authors (**many-to-many** with Author).
- One book can be linked only to one reservation at a time (**one-to-one** with Reservation).
- Each book title is inserted in English, Russian and Urdu.

Author

- An author can write multiple books, and a book can be written by multiple authors (**many-to-many** with Book).