Zoterad

Analysis Sequence Diagrams

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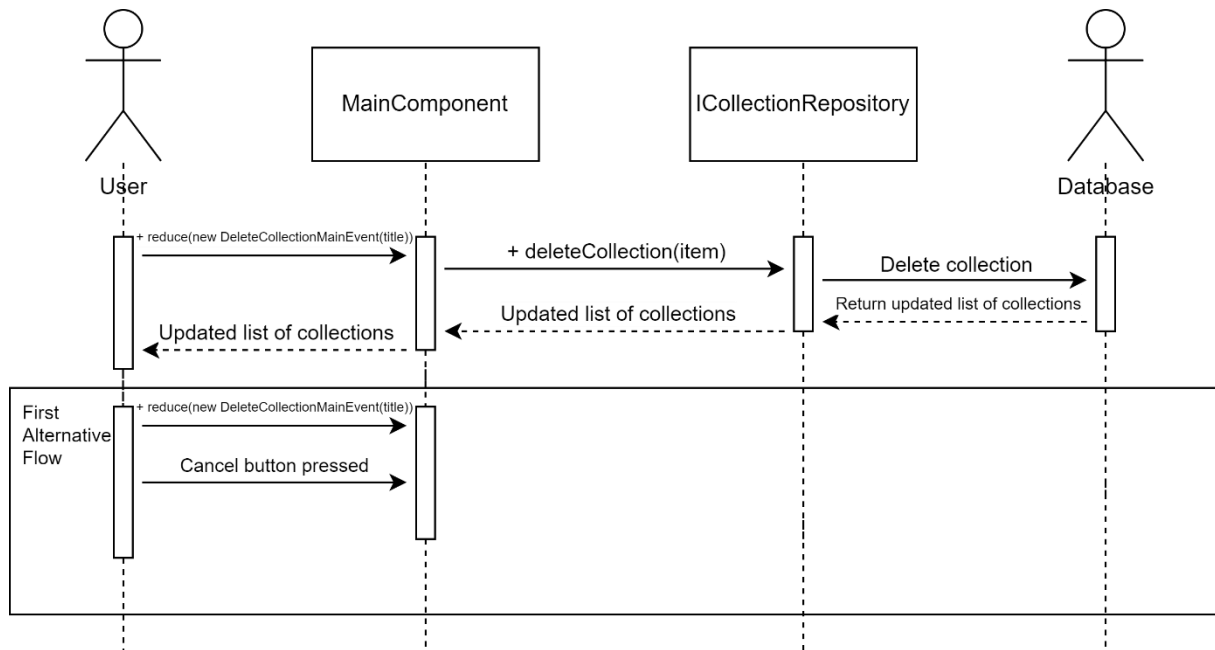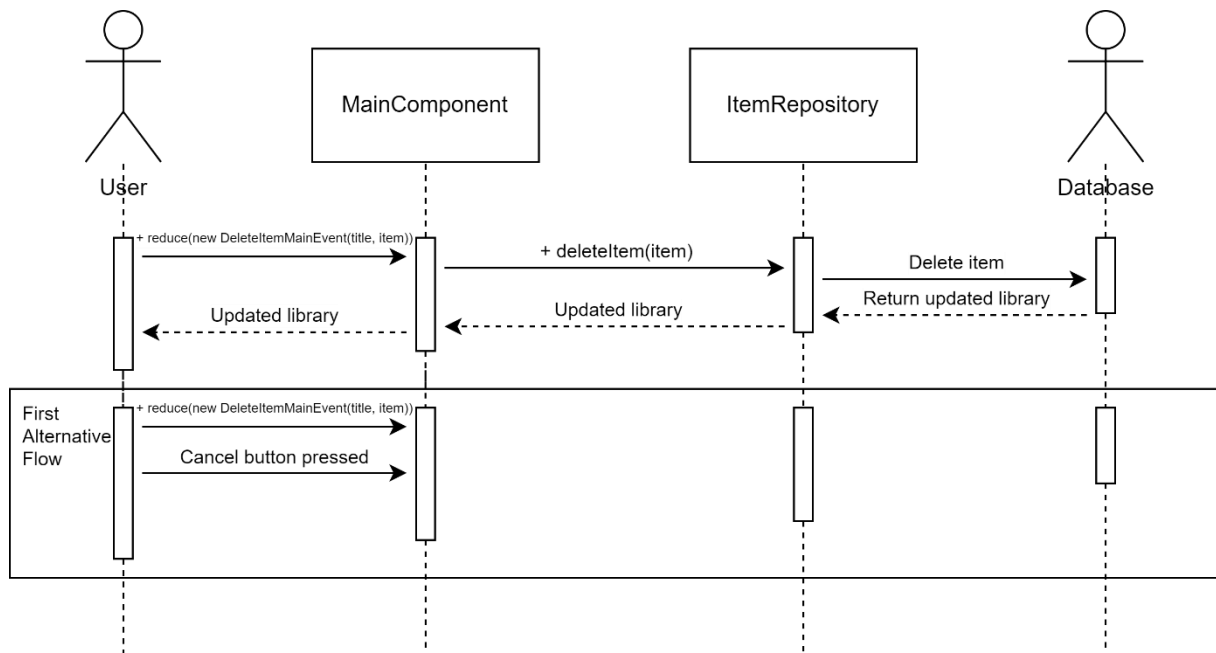
1. SDA1: Login [UC7]
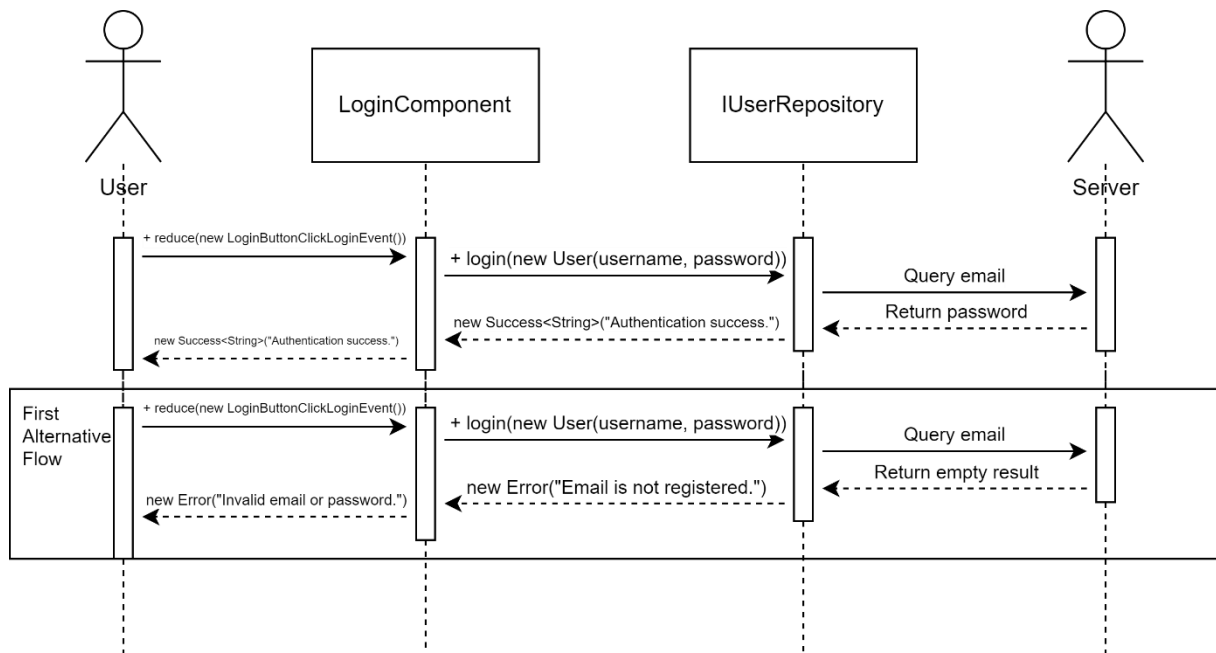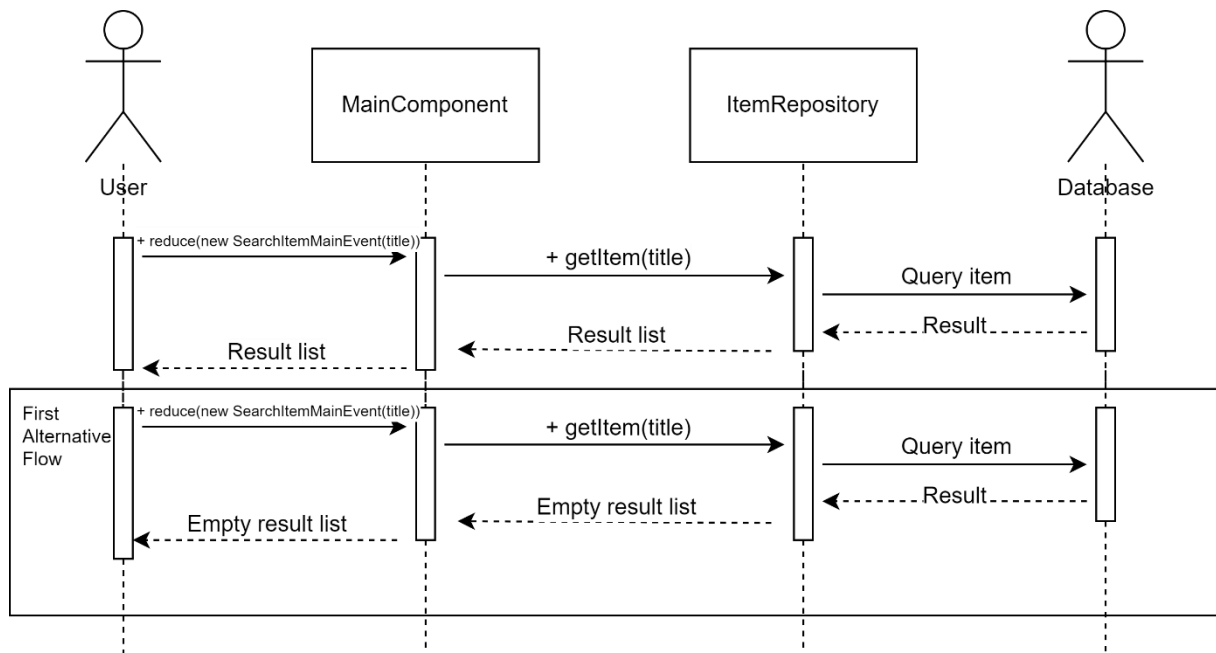
2. SDA2: Create Collection [UC3]
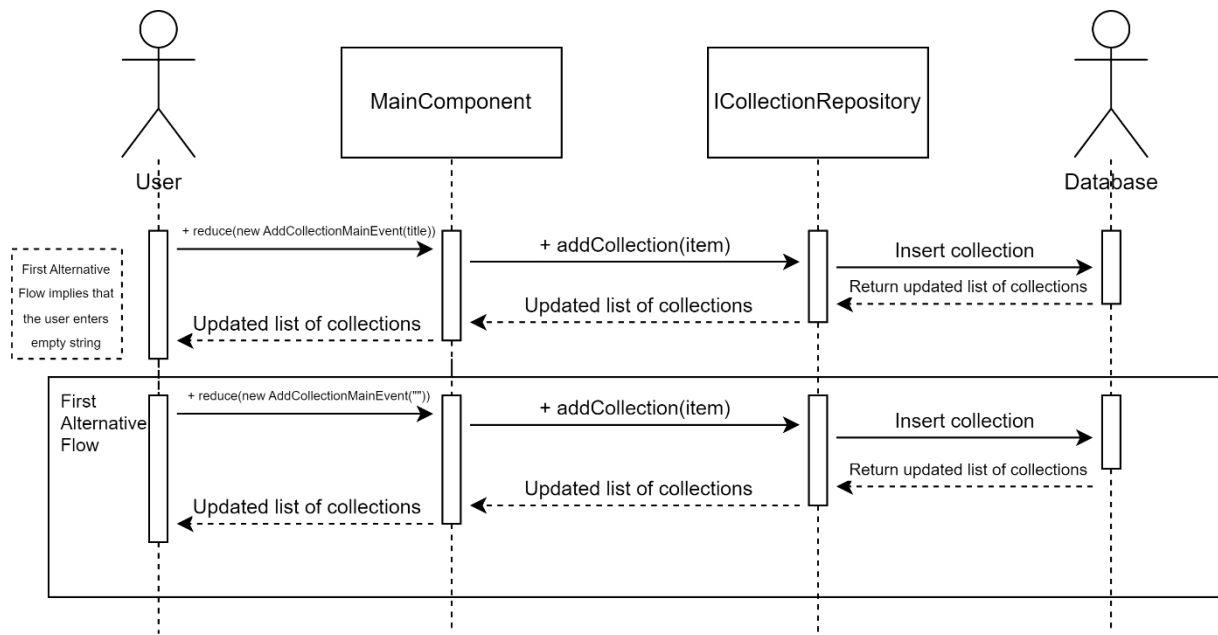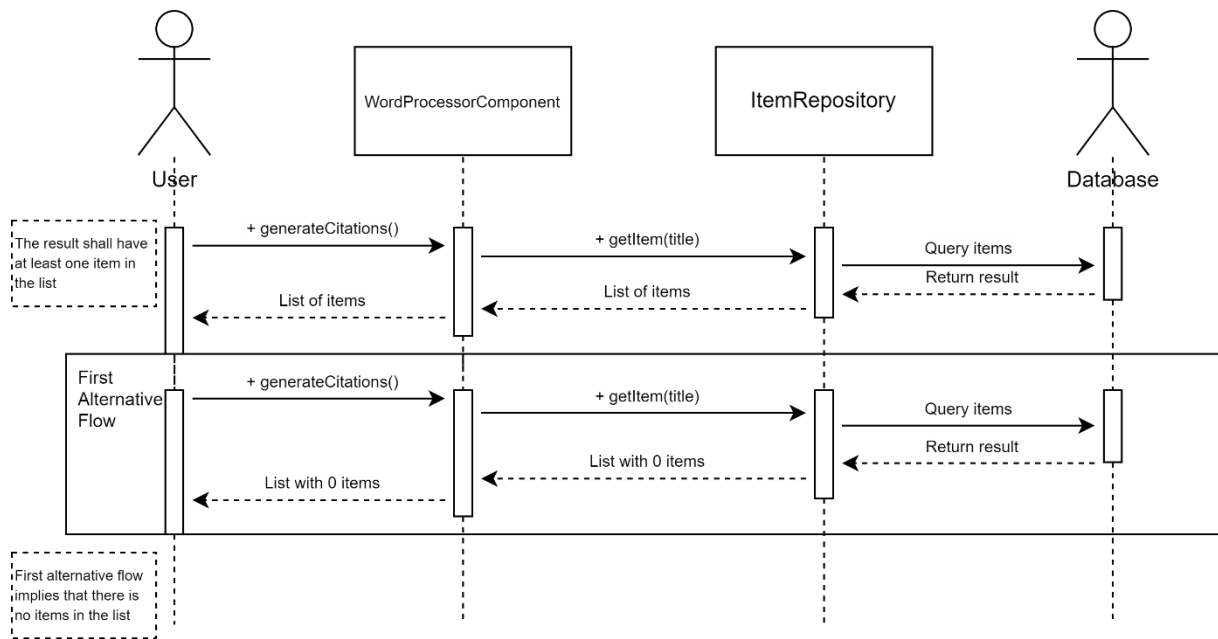
3. SDA3: Delete Collection [UC5]

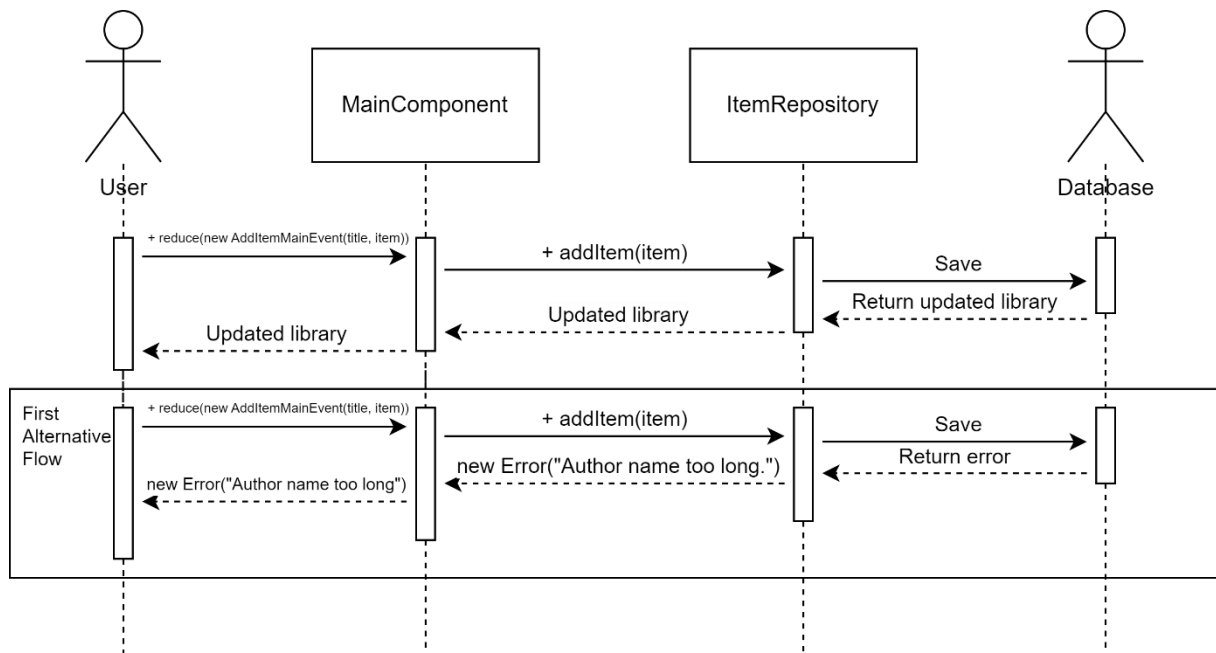## 4. SDA4: Delete Items from library [UC4]
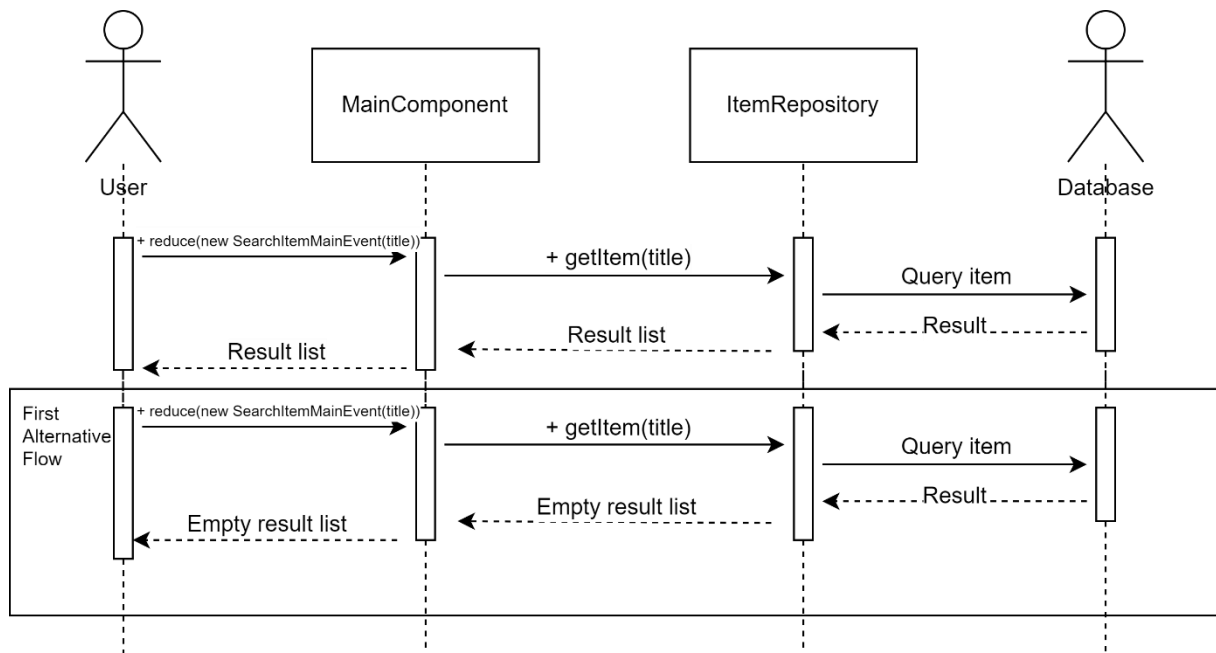
5. SDA5: Advanced Search [UC9]
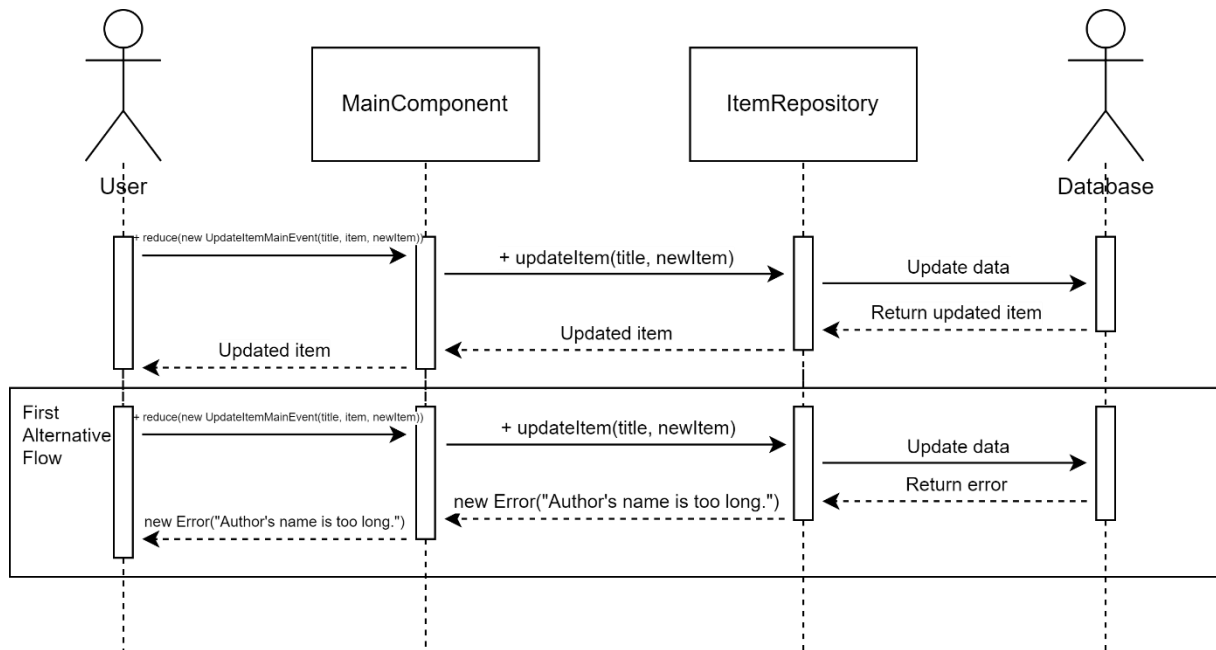
6. SDA6: Generate Citations [UC12]

7. SDA7: Add Items to library [UC1]

8. SDA8: Use Quick Search [UC10]

9. SDA9: Update Items [UC2]

10. SDA10: Register [UC6]

Sequence diagram with lifelines: User, RegisterComponent, IUserRepository, Server.

Main Flow:
- User → RegisterComponent: + reduce(new RegClickRegisterEvent())
- RegisterComponent → IUserRepository: + register(new User(firstName, lastName, email, username, password))
- IUserRepository → Server: Save data
- Server --> IUserRepository: Return acknowledge
- IUserRepository --> RegisterComponent: new Success<String>("Registered")
- RegisterComponent --> User: new Success<String>("Registered")

First Alternative Flow:
- User → RegisterComponent: + reduce(new RegClickRegisterEvent())
- RegisterComponent → IUserRepository: + register(new User(firstName, lastName, email, username, password))
- IUserRepository → Server: Save data
- Server --> IUserRepository: Return error
- IUserRepository --> RegisterComponent: new Error("This email already taken.")
- RegisterComponent --> User: new Error("This email already taken.")

Second Alternative Flow:
- User → RegisterComponent: + reduce(new RegClickRegisterEvent())
- RegisterComponent → IUserRepository: + register(new User(firstName, lastName, email, username, password))
- IUserRepository → Server: Save data
- Server --> IUserRepository: Return error
- IUserRepository --> RegisterComponent: new Error("Invalid input data.")
- RegisterComponent --> User: new Error("Invalid input data.")

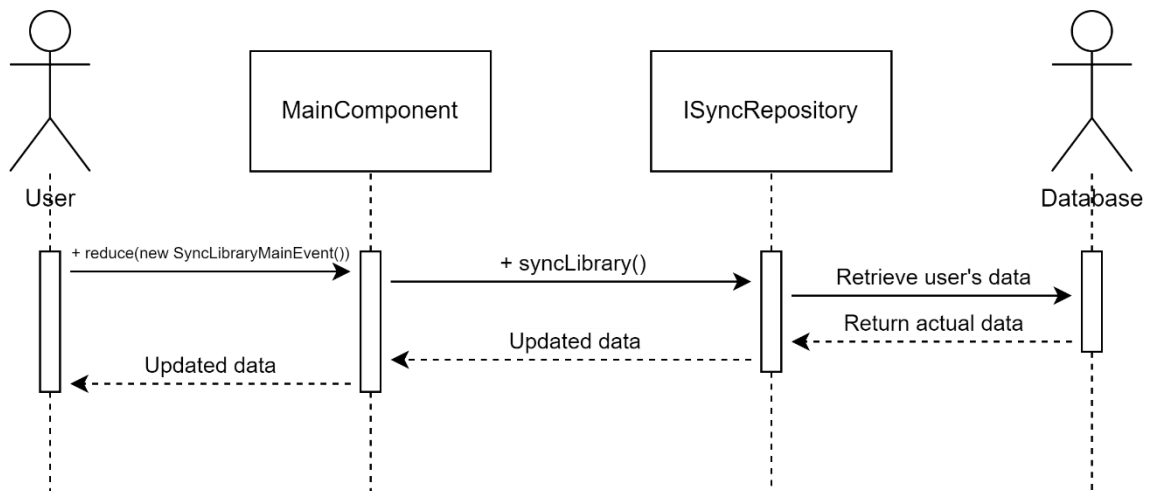## 11. SDA11: Reset Password [UC8]
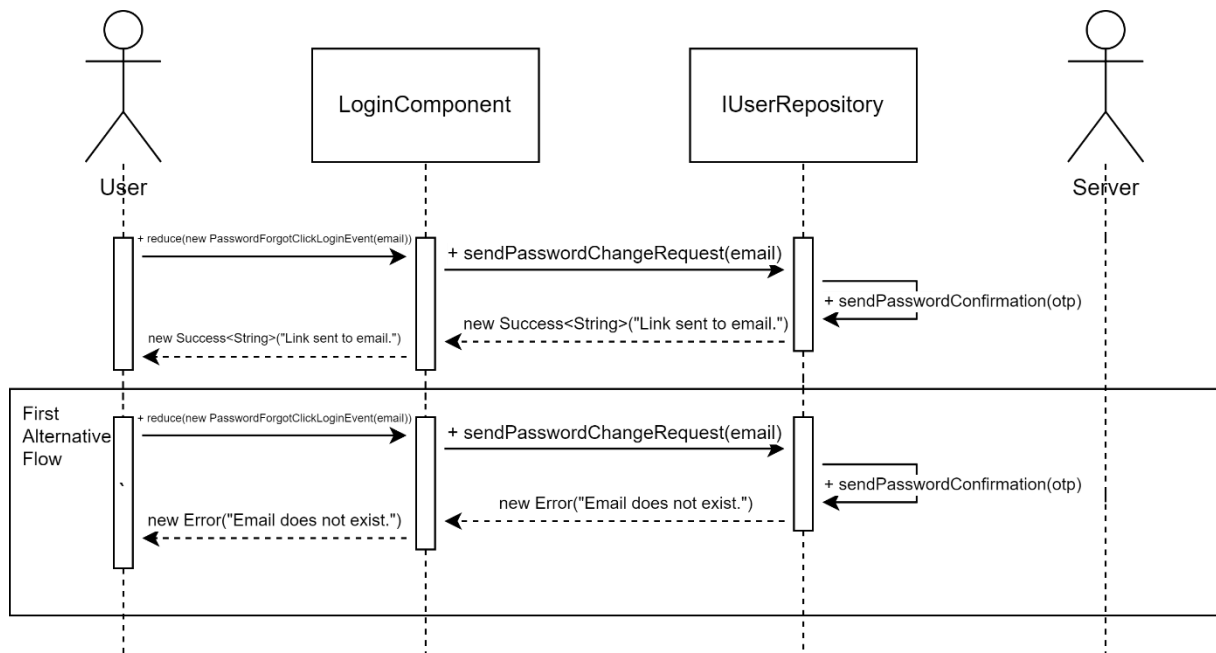
12. SDA12: Sync library [UC13]

13. SDA13: Add items automatically [UC11]