19 [Optional] Add Free Loans to Current Membership of Registered User

## Description

As a user

I want to add free loans to the current membership of a registered user

So that the user has extra free loans.

## API

|  |  |
| --- | --- |
| Request | PUT |
| URL | http://localhost:8080/users/{userId}/addFreeLoans?freeLoans={freeLoans} |
| Path Variable | userId (int) |
| Request Body |  |
| Output: happy case | A User object (JSON) – fields: id, name, age, email, password, profile with fields {id, bio, place}, list of memberships with fields {id, startDate, endDate, type, freeLoans} |
| Output: unhappy case | Response 400 BAD REQUEST  One of the following JSON error messages:   * “userId”: “User with id {id} does not exist” * “userId”: “User with id {id} has no valid membership today” * “freeLoans”: “The number of additional free loans must be strict positive” * “freeLoans”: “Invalid number of free loans for membership type. It can be maximal {number}” where {number} equals the maximal number of free loans that can be added to the membership |
| Acceptance Criteria | The number of free loans of the current membership of the user with given userId is increased with the given number of free loans   * The “current membership” is the membership with start date before and end date after today. * The new number of free loans cannot be larger than the membership type allows.   Returns the updated user |

## Technical Requirements

* For requirements of Membership, we refer to story 8-10