18 Has Registered User Valid Membership on Date

## Description

As a user

I want to know if a user has valid membership on a given date

So that I can read all information of that membership

## API

|  |  |
| --- | --- |
| Request | GET |
| URL | http://localhost:8080/users/{userId}/membership?date={date} |
| Path Variable | userId (int) |
| Request Body |  |
| Output: happy case | A Membership object (JSON) – 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” |
| Acceptance Criteria | Returns all information of the membership with start date before and end date after the given date.  Returns nothing when no membership is found |

## Technical Requirements

* Read the documentation about date: <https://docs.oracle.com/en/java/javase/17/docs/api/java.base/java/time/LocalDate.html#parse>

## Extra - Optional

* As an optional requirement, you can try to validate the date (search for yourself on how you can validate a date). The following error is returned when the input is not valid:
  + “date”: “Date has invalid pattern: YYYY-MM-DD