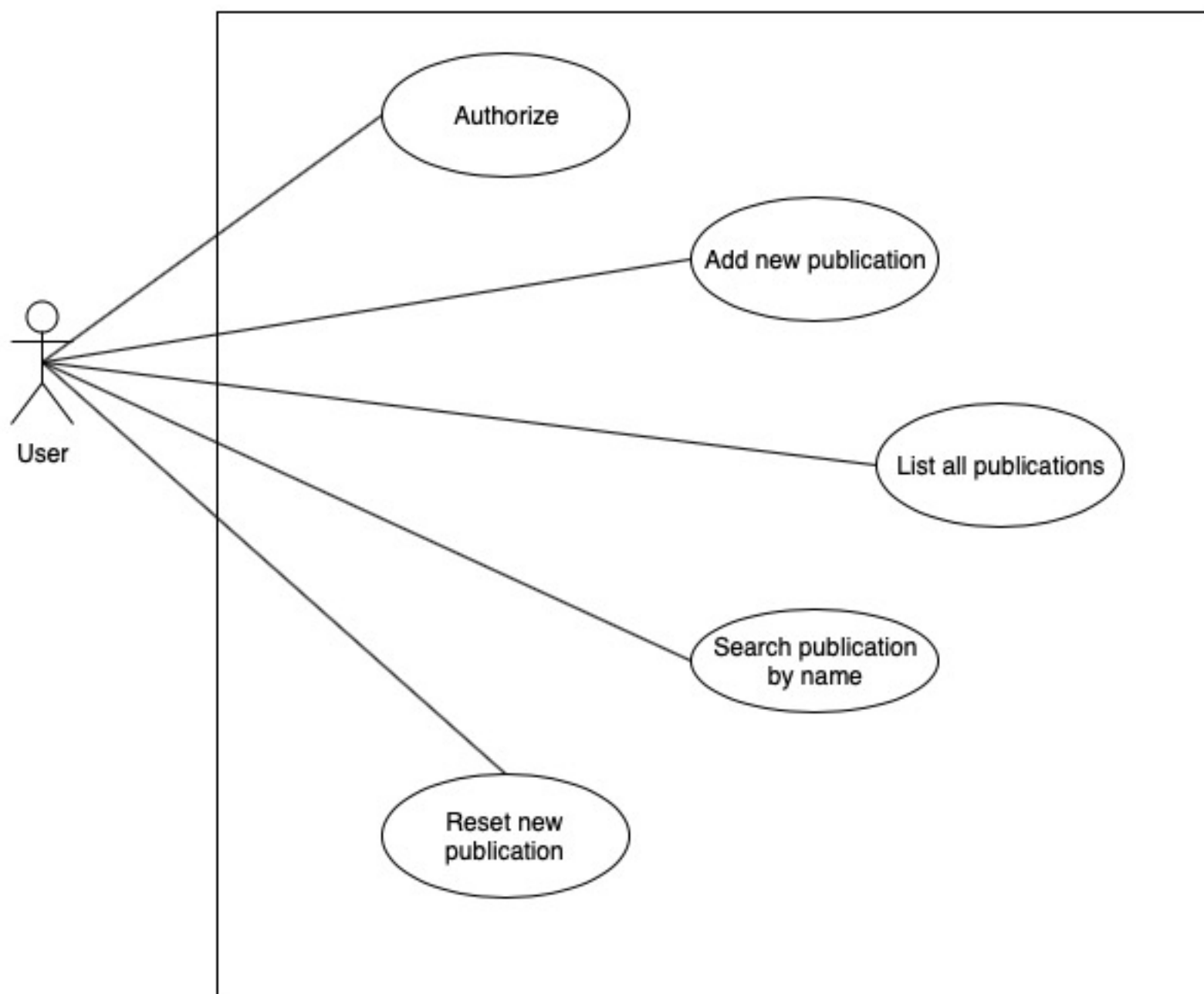


Documentation

Publication Service

- Functionality

Use-Case Diagramm



This is a publication service with its full own logic. It has its own HTML-Pages with Thymeleaf to execute GET and POST - HTTP queries.

The start page is under the URL:

<http://eis01.dke.univie.ac.at:9001/view/{ID}/publication>

where ID is an ID of the user. If the ID is absolutely new, the service saves it and this user has at start the empty list of publications.

Then it is possible to save the new publication. We have a special form for it. Here the user can enter the title, author, year and publisher of the new publication, that he wants to save in his list of publications.

Geben Sie bitte die Information :

Titel:

Author:

Year:

Publisher:

Submit

Reset

[List all your books](#) [Search by keyword](#)

After pushing the “submit”-button user can see the information, which he saved

Sie haben gespeichert:

Titel:

Maths

Author:

Thomas

Year:

2011

Publisher:

Spring

[Submit another message](#)

User can get a list of all his publications or search by keyword. And when he is searching by keyword, he can see all fitting publications by all users, not only his own. We think, that it is comfortably to search among all suitable publications to find the right book.

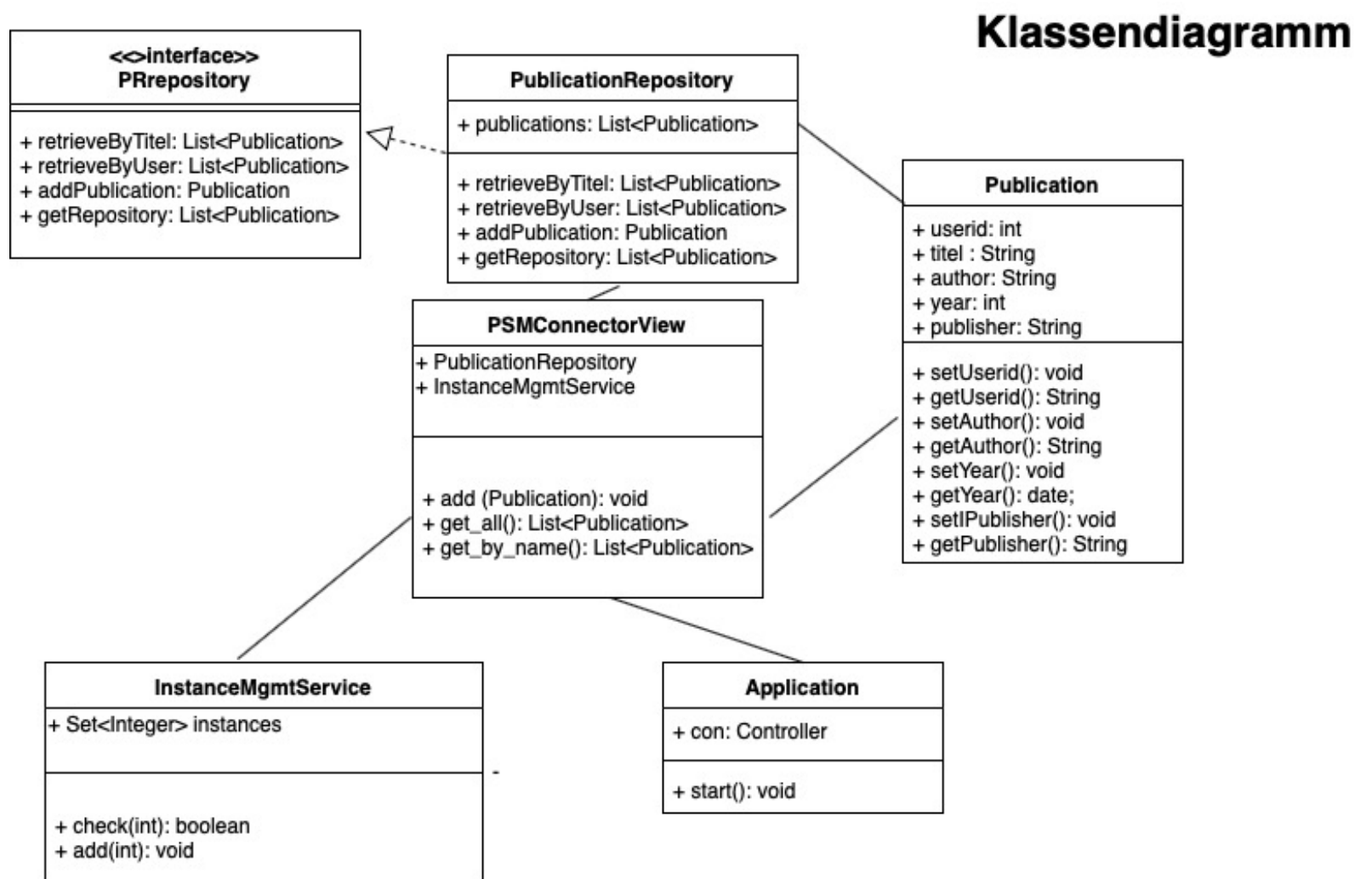
Geben Sie bitte die Information

Titel:

For all incorrect queries we have the Error-page, that makes it possible to go back to the main page.

ERROR

● Architecture



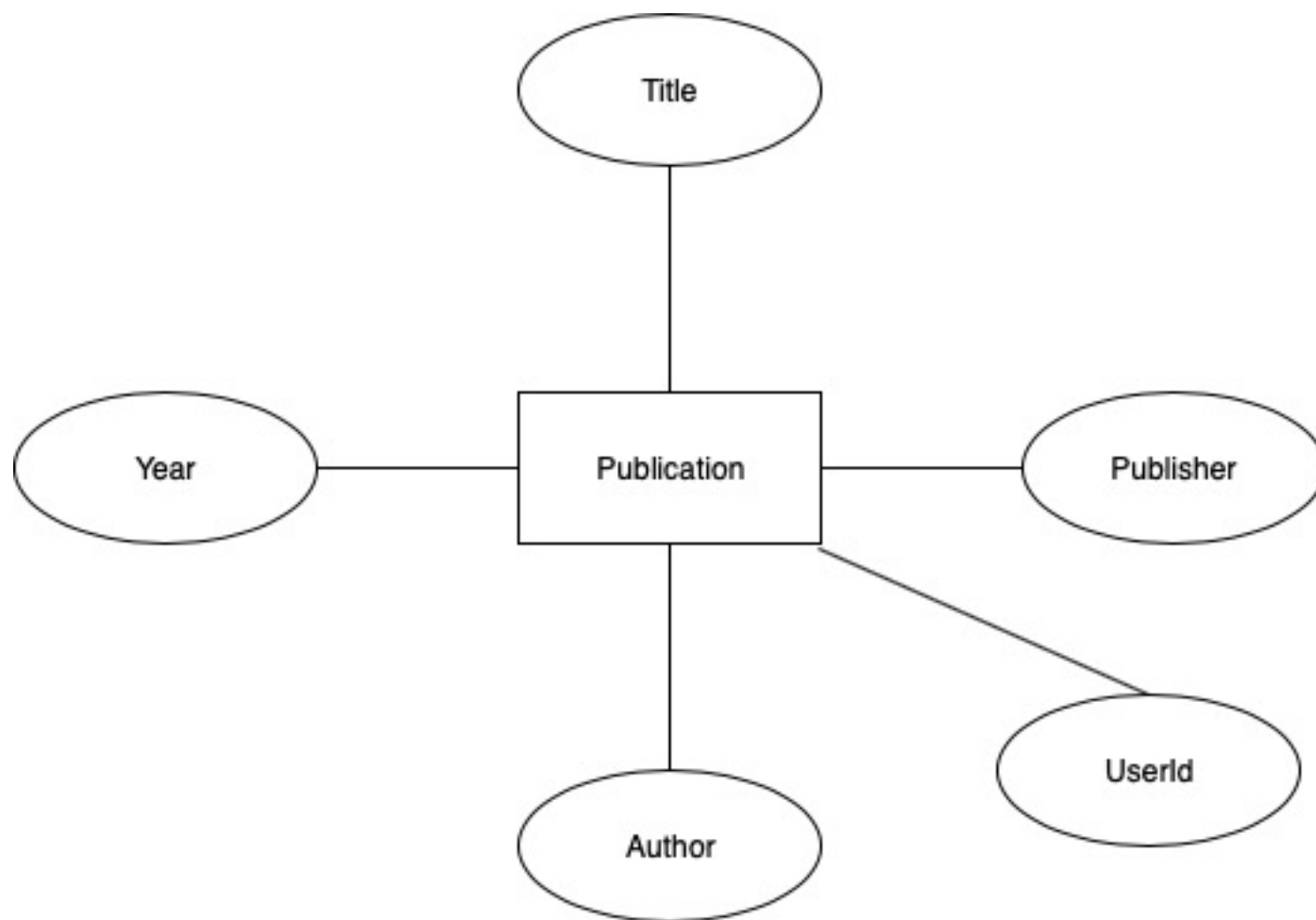
Classes:

1. **PSMConnectorView** - this is a controller class, which manages this program (add and get methods)
2. **InstanceMgmtService** - this is a class, which manages user IDs (check and add methods)
3. **Publication** - this is a model for our publications with getters and setters
4. **PublicationRepository** - this is a repository, which uses the **PRRepository** interface and manages the publications of users (different search methods)
5. **Application** - simply makes this program runnable.

● Data model

Our program saves publications in `java.util.List<Publication>` structure.

ER-Model for publication:



● Implementation

This program uses the REST Spring technology. We have a compiled version of this program in this package (Microservice.jar). To deploy it user should simply start this .jar in the background.

● Responsibility

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