**Introduction to the Software Engineering – Test 1. Use Case**

**Assignment:**

The following points describe the basic requirements for an information system. Write the main use cases in text form and create the appropriate use case diagram for them.

**The system**

The system will be used in the library for the registration of books, their loans and reservations.

**Basic requirements:**

- The operator has the ability to manage (add, remove, edit,…) books

- The staff has the opportunity to book a book rental for readers

- The staff has the opportunity to create a book for readers (based on reservation or without)

- The operator can print a text document of the book loan

- The operator has the ability to search for books

- The chief librarian has the ability to work as an operator and can also create and manage reports

**Tasks (max 10 points):**

1. Identify all actors according to requirements and use cases (1 point)

2. Write the text part of the use cases Book loan reservation and Book loan (5 points)

3. Draw a UML Use case diagram including all mentioned actors and use cases (4 points)