Object Oriented Modeling and Design 1st Assignment

Problem:

Assume that you have to design "library automation software". Write the use case for the **self-service loan**. Other uses cases in this system may be return and renew; but they are not considered in this assignment.

Do not consider the user interface design. How data is entered and presented are not important in this assignment.

Assumptions:

- There are two types of users: Academic personnel and undergraduate students.
- Two type of media can be barrowed: Book, Multimedia material.
- The operation is performed using the Self-Check stations.
- Refer to http://library.itu.edu.tr/en/services/loans for the rules (maximum number of items, period).
- If a user keeps an item that has not been returned on time this user may not barrow a new item.

Consider all possible alternatives.

Prepare the use case in a text form as a Word or pdf file.

You will have two weeks for this assignment; however, next week the second assignment will be also given (analysis of the same system), so that you can work on both related assignments.

SUBMISSION:

- Upload the file (docx or pdf) to Ninova until **23.00** on **24 February 2019, Sunday**.
- Late submitted assignments are not accepted.
- **Cheating** will not be tolerated. Any cheating is subject to the University disciplinary proceedings.
  It is allowed to discuss how to solve a problem with your classmates; however, **this assignment is not a group-homework. The actual solution should be an independent effort**.