For **LAB SESSION 2** we will have Lab3 sheet only

Example 1, check the difference in execution with and without the synchronized keyword

LAB3 excercises are:

1. Example 2: Draw the class diagram, state machine diagram, Activity diagram
2. Example 3: Modify the source code according to the mentioned requirements.
3. Example 4: Draw the class diagram, state machine diagram, and the sequence diagram
4. Example 5: Class diagram, communication diagram
5. App 1: Modify the source code according to the mentioned requirements, state machine diagram.

Note: App2 is not obligatory (if you implement it you'll get extra points for it)

**Note:** See the books in the References folder: 1. (UML\_for\_Java\_Programmers-Book) it will help you with the uml diagrams (especially state machines) . 2. object-oriented-design-with-uml-and-java. (you can see the library example from page 88) and (Review of activity diagrams, sequence diagrams, and class diagrams)