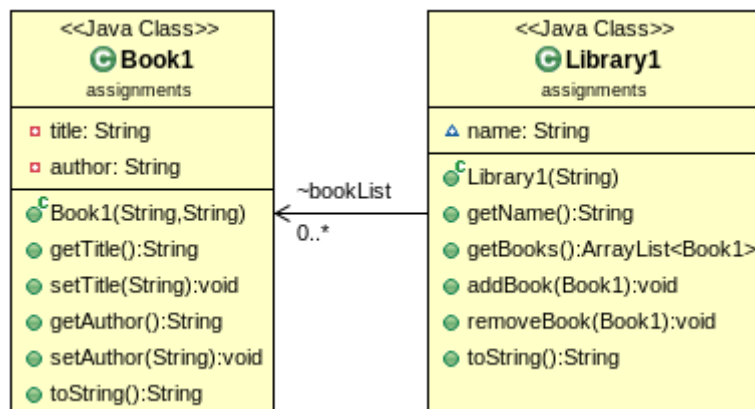


CT3535
Assignment 3



Q1. Using the UML diagram above you are required to:

- implement the `Book1` and `Library1` classes.
- Create an executable driver class which creates an instance of `Library` and populates its `ArrayList` with a number of `Books`.
- The driver class will also include the following methods:
 - `public static void writeToFile(List<Book1> list)` which writes the contents of the `ArrayList` to a text file `Library.txt`
 - `public static void readFromFile(List<Book1> list)` which reads the contents of the `Library.txt` file and outputs them to standard output.

Q2. Using the code from Q1, you are required to:

- alter the `Book1` and `Library1` classes to allow serialization take place
- Create an executable driver class which creates an instance of `Library` and populates its `ArrayList` with a number of `Books`.
- The driver class will also include the following methods:
 - `public static void serialise(List<Book1> list)` which serializes the application.
 - `public static void deserialise(List<Book1> list)` which deserializes the application.