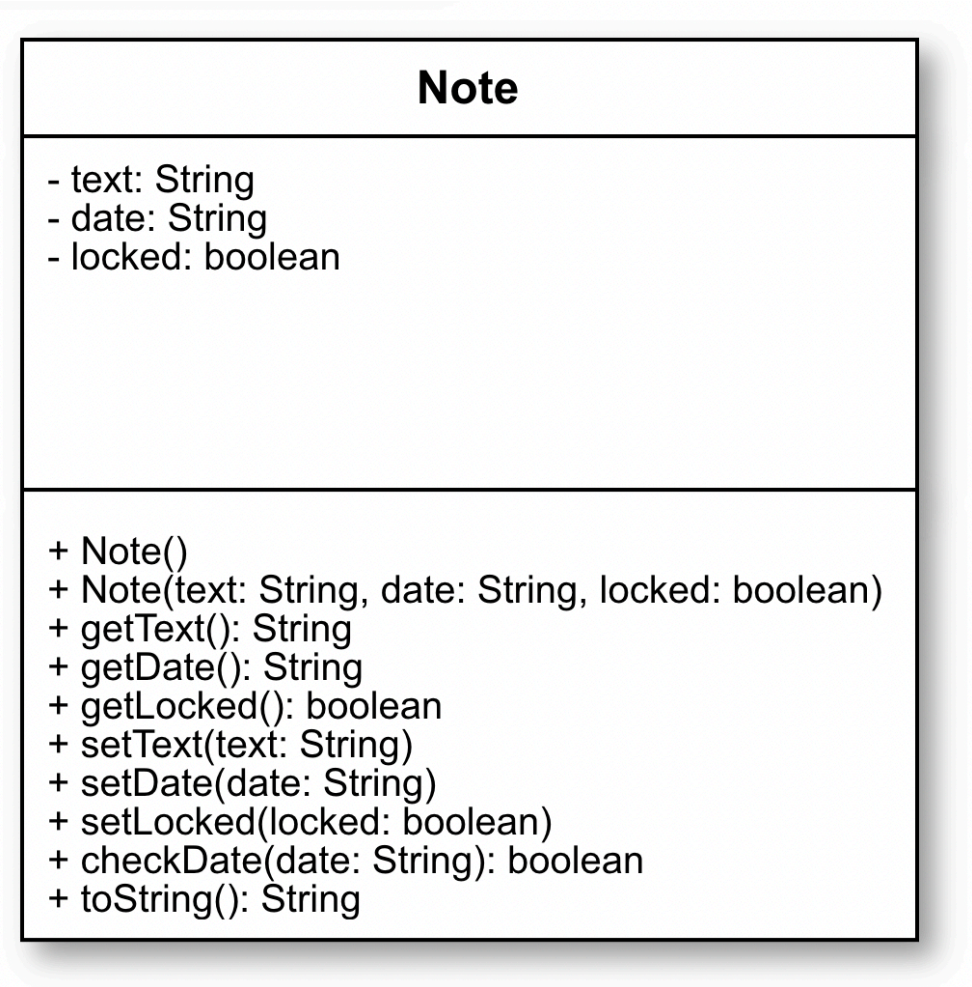
Final - CPS210

1. Follow the UML diagram to create the **Note** class:



a. The default constructor should set text to **"empty"**, date to **null**, and locked to **false**.

b. The get and set methods should just be created like shown in the notes (just one line of code). No extra code is needed.

c. The **checkDate** method should check to see if the date is valid. A valid date should be in the form: **mm/dd/yyyy** with mm, dd, and yyyy being a digit. **DO NOT** worry about the numbers being realistic (1 through 12 for

month, 1 through 31 for days, etc.). Just check to make sure there are digits, two slashes and 10 characters in total.

d. The toString should return all three attributes in the following format:

Note: *text* ***Date*****:** *date* **Locked:** *locked*

- *text, date, and locked* should be the values of the attributes. **Example:** Note: Buy milk Date: 12/08/21 Locked: false

2. Read in the CSV file with **Notes**. Read in each column (text is in the first column, dates are in the second column, locked is the third column).

a. Store the text, dates, and locked values in separate ArrayLists. Print each ArrayList.

b. Create a **static** method that finds how many notes are locked. Call the method and display your result.

- **BONUS (Optional):** Create an ArrayList to hold Note objects. Call the constructor from the Note class to create a new Note object from each line read from the file. Add the Note object created to your ArrayList. Print the ArrayList.