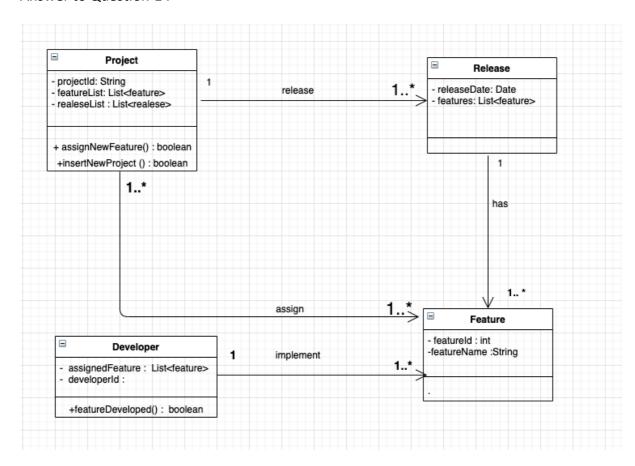
Answer to Question-1:



Answer to Question-2:

Please check the code in SRC folder

