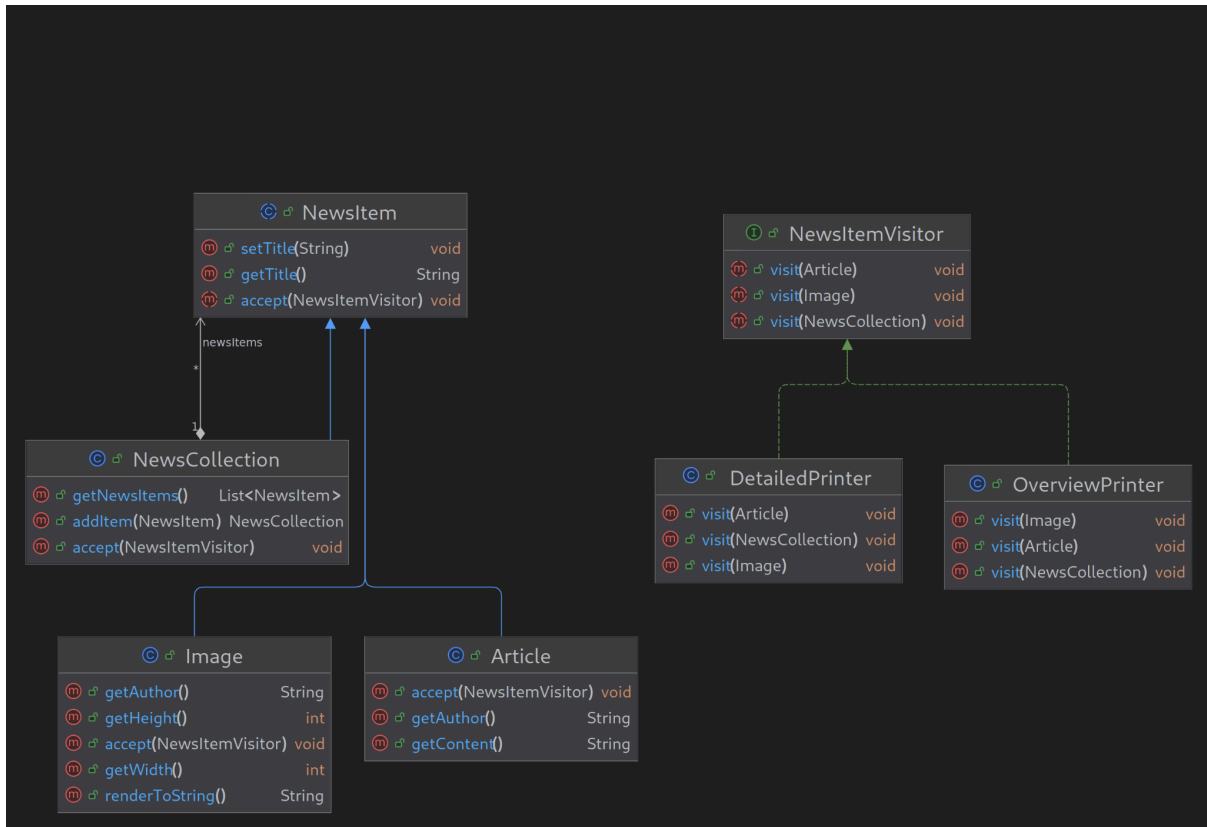


Exercise 7

1.a



Pros:

- Using the visitor pattern allows us to separate the printing functionality from the class hierarchy. This is in accordance with the "Separation of Concerns" principle. This way we can easily add new printing functionalities by creating new concrete visitors.
- Managing different versions of an action becomes easier when using a visitor pattern. The visitor holds the different methods for different versions that could be used.
- If you want to examine/change your code specific to one action, then the visitor pattern lets you do that by just looking at the visitor class which implements this action.
- Traversing the hierarchical tree using the visitor pattern can be advantageous, because the visitor can potentially store information that is gathered while traversing.

Cons:

- Adding new classes into our class hierarchy becomes more complex.

- If you want to look at a specific class and all of its actions, then the code is spread out across many different classes.