

### Q3 a)

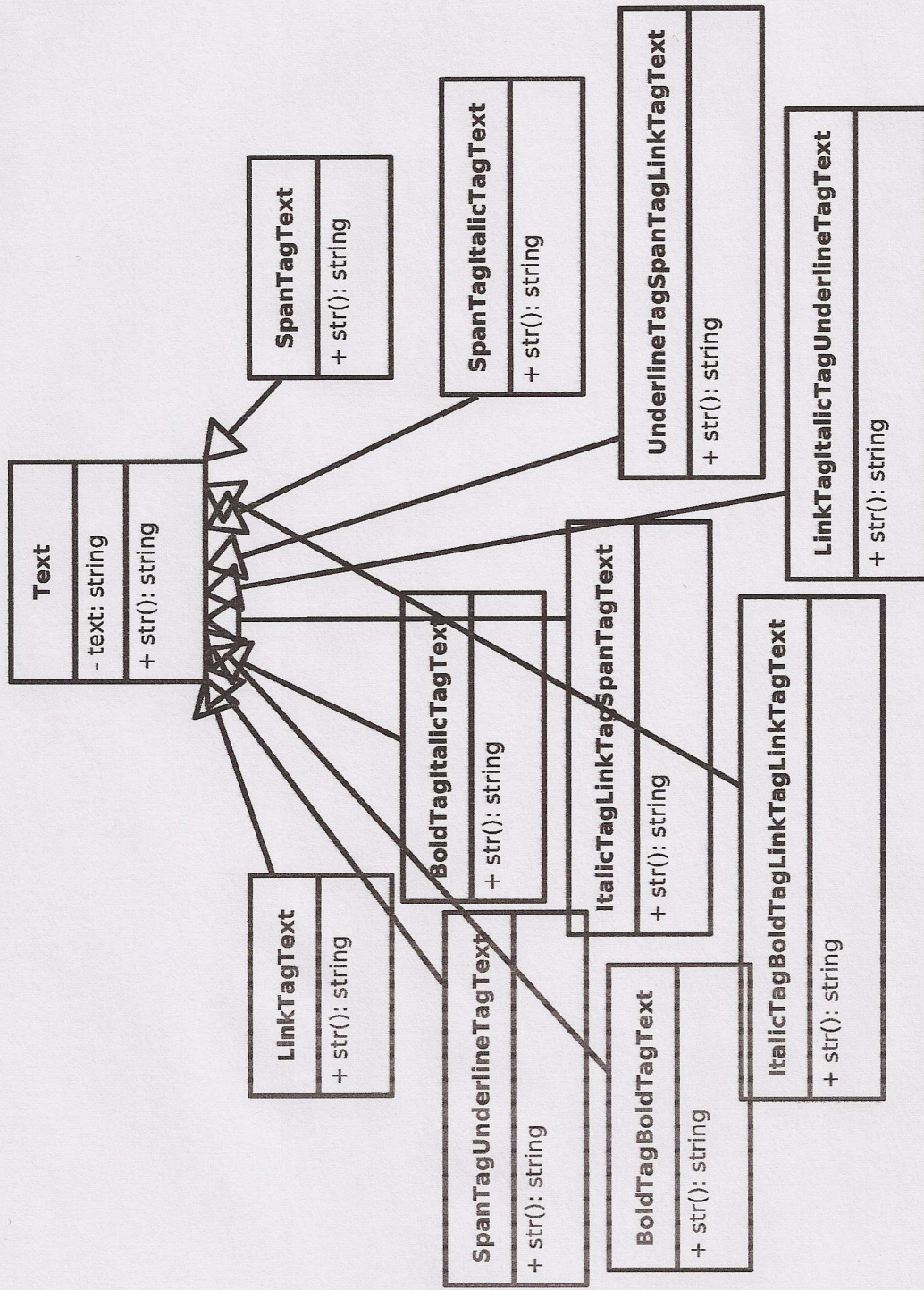
We wish to have a way to create an HTML expression composed of some plain text, and any combination (including duplicates) of the following HTML tags: `<b><i><u><a></a><span></span>`

Both the `<a>` and `<span>` require extra information, namely a value for the “href” and “style” parameters respectively.

We want a way to easily create proper HTML expressions from the client code using the above tags. Here is some sample output:

```
<b><u><i><span style='margin-left: 70px;*><i>Plain text here!!!</i></span></i></u></b>
```

The following two figures represent 1) a UML model of the problem, and 2) a UML model of the problem with the **decorator** design pattern applied.



Aaaaaaaargh!



- New associations
- Entirely new class
- Modified class
- New attributes

