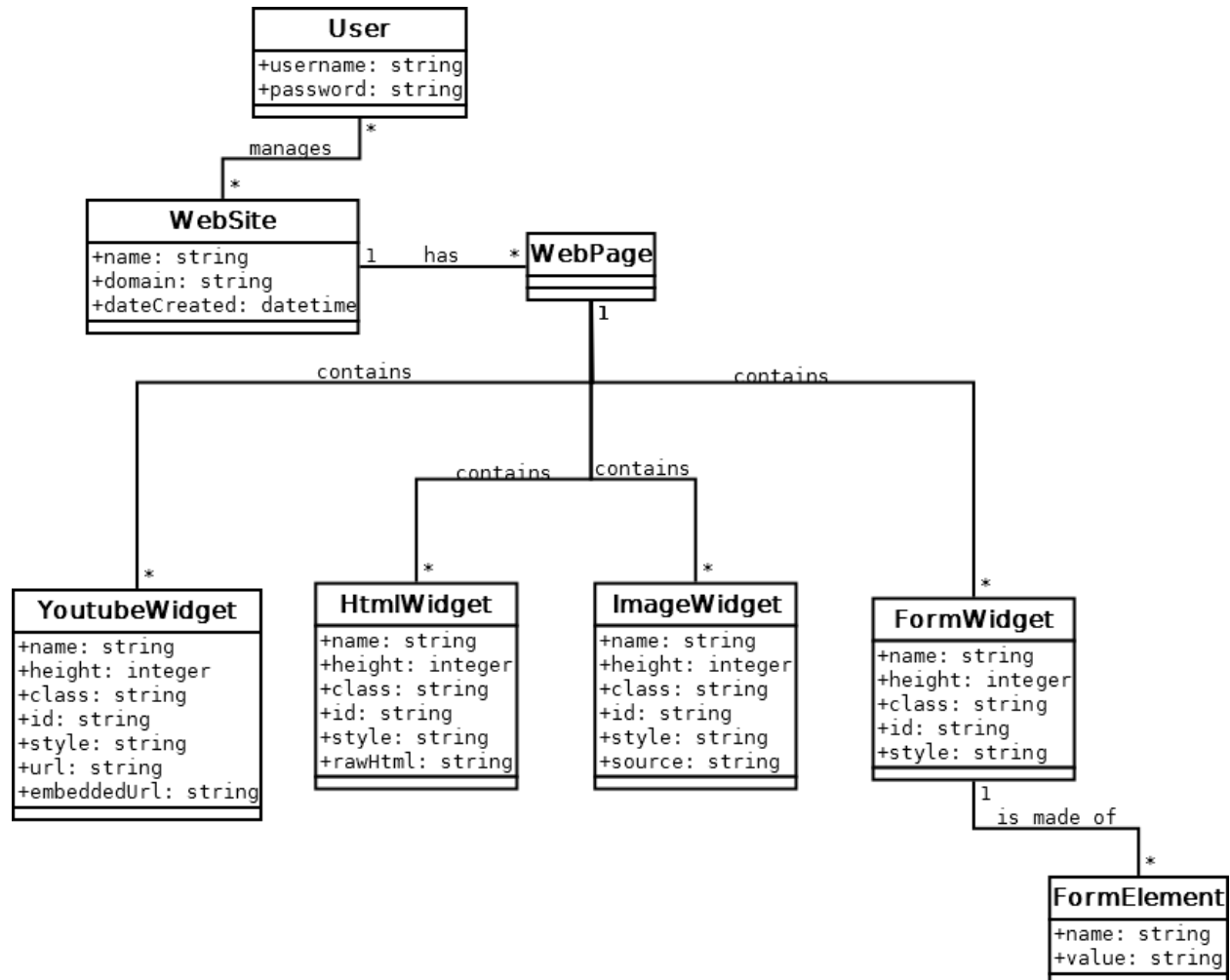
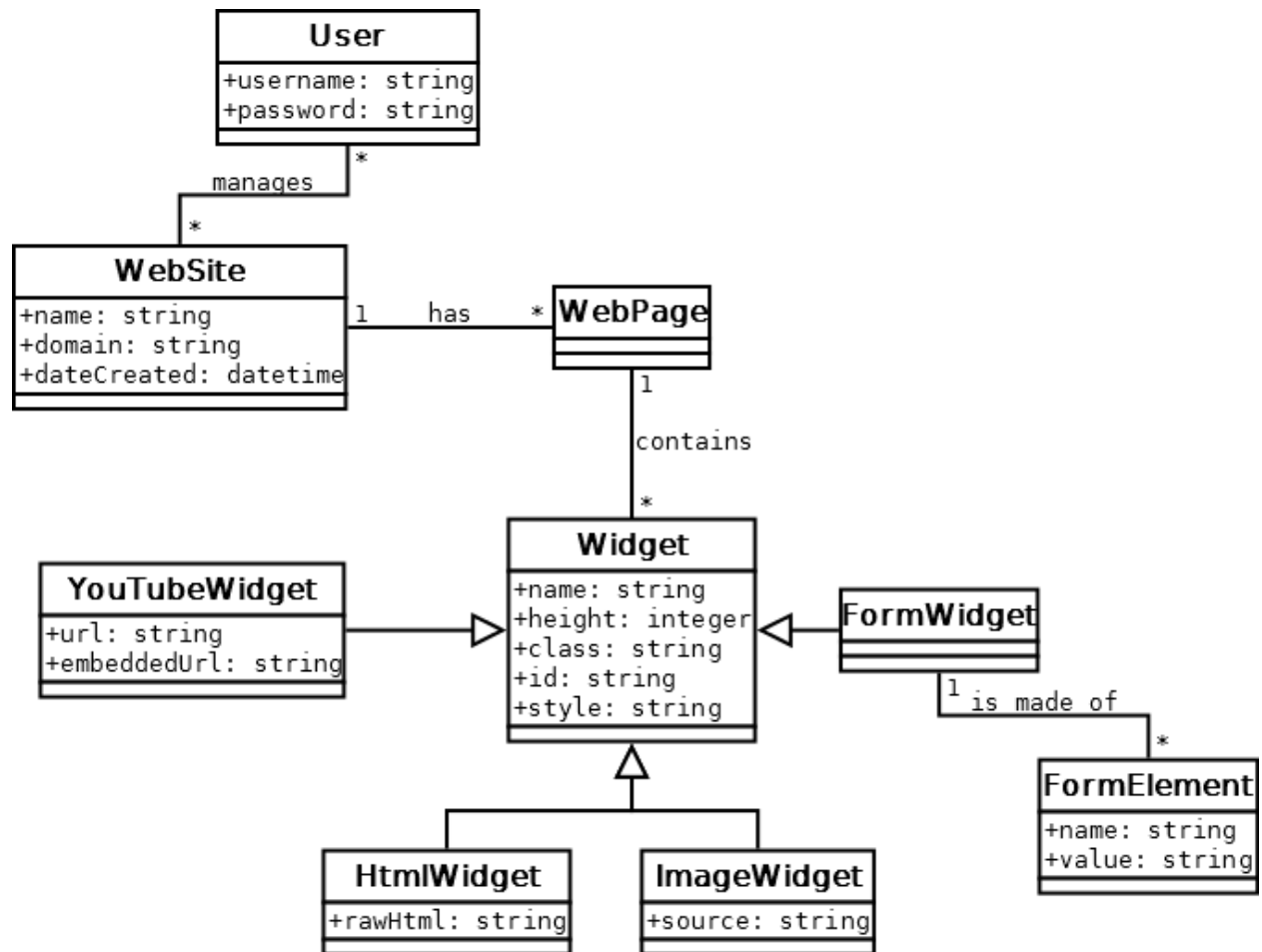


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CS3200
HW 1



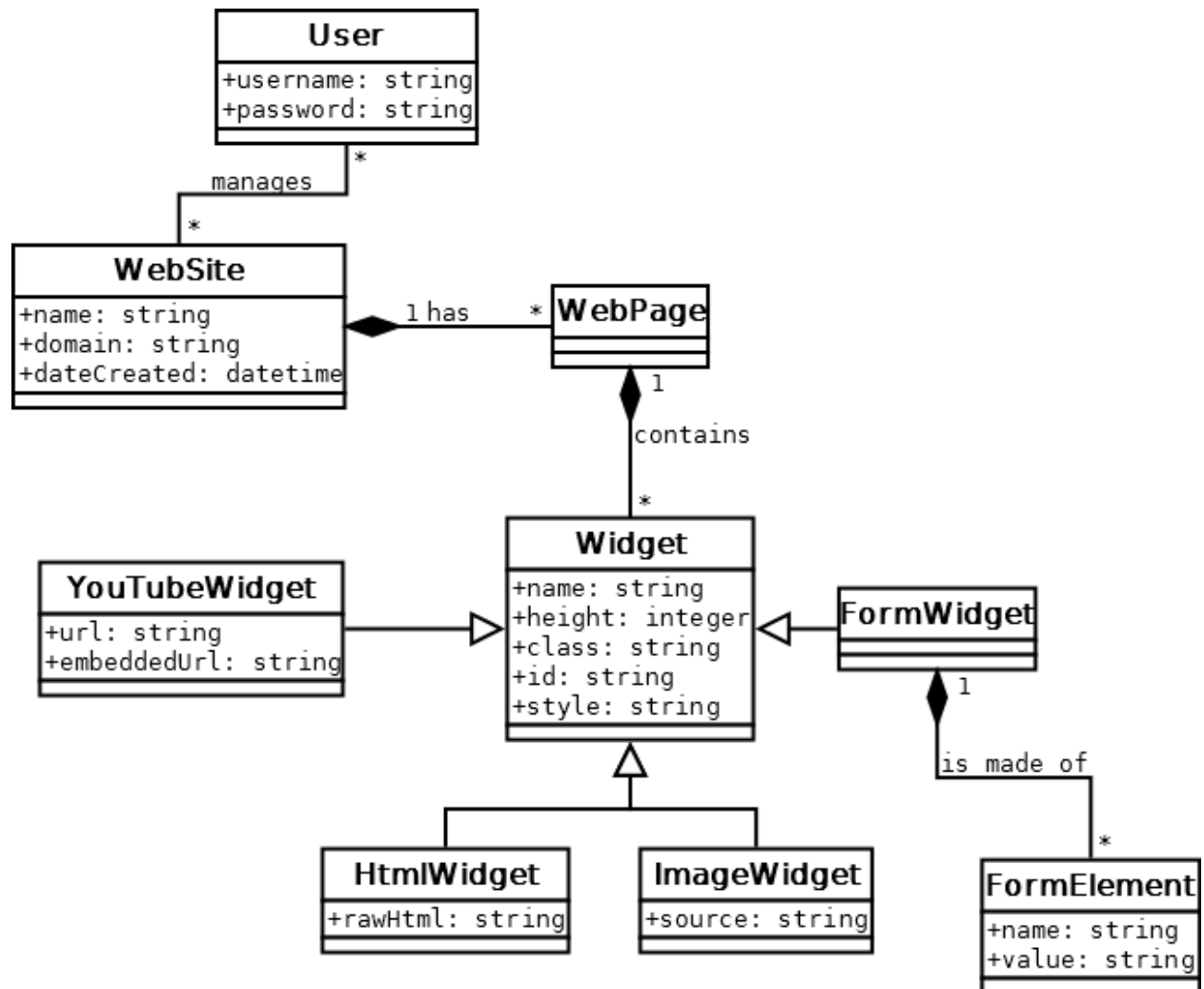
Initial design (very inefficient)

User can manage many WebSites and many Users can manage a single WebSite (thereby creating and editing WebPages/Widgets). A WebPage is made up of many different types of Widgets



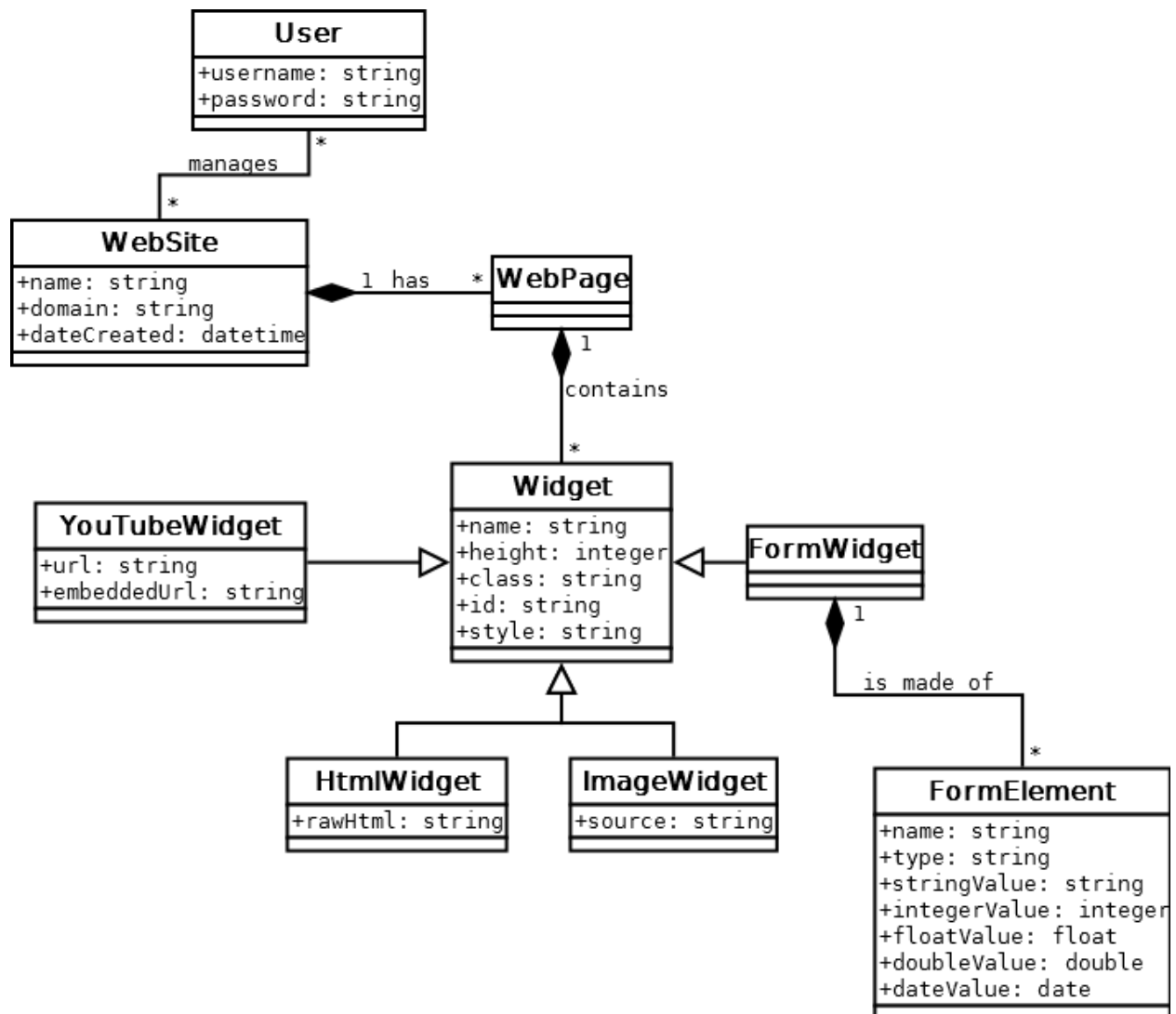
Generalization

All widgets are generalizations of the main `Widget` class. This prevents duplicated tables.



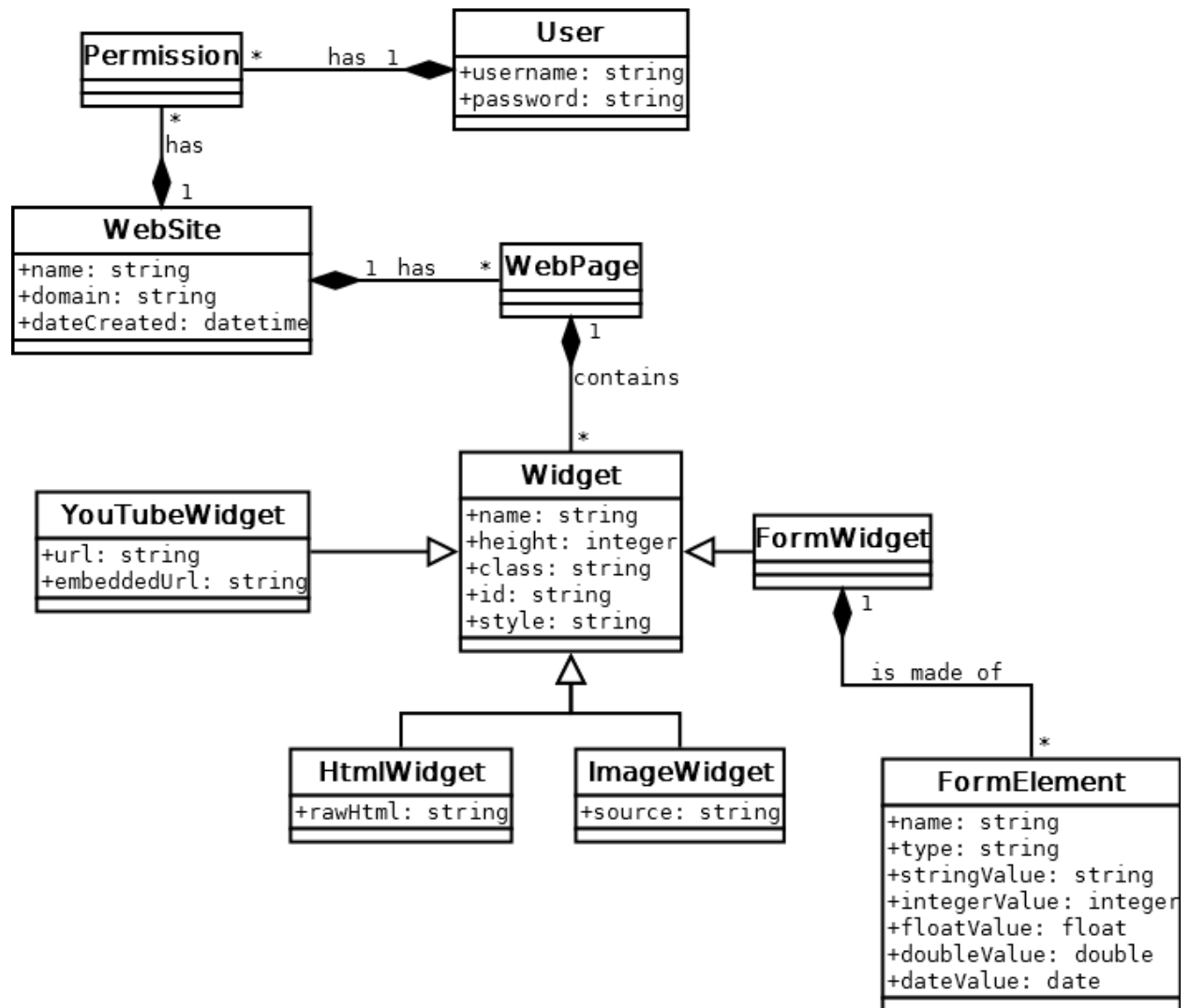
Composition

When a `FormWidget` is deleted, make sure to remove all traces of its `FormElements` (not to be reused). Same with a `WebSite` and its `WebPages`, and `WebPage` and its `Widgets`.



Correct DataTypes

Since a form element can contain many different types of data, let's not force it into a string and allow it to be any type (specified by the `type` field).



Reify

Add **Permission** mapping table between **User** and **WebSite** for determining what a **User** can control and who can control a **WebSite**.