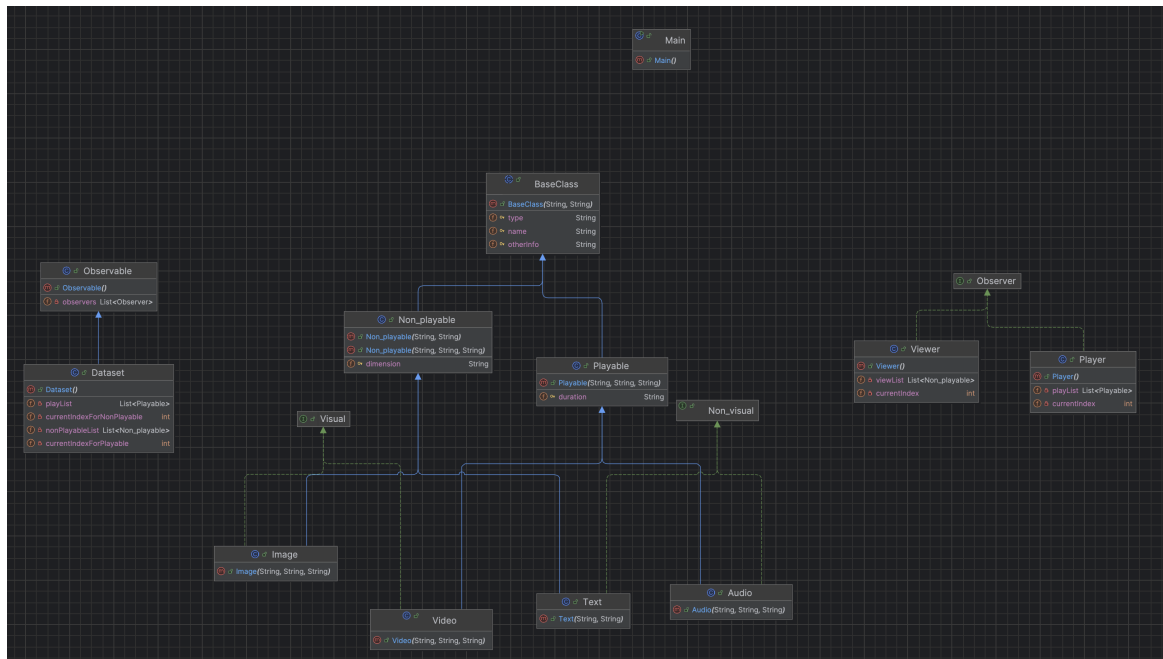


CSE241 PA6 REPORT

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Tuğçe Polat

▼ UML Diagram



▼ Explanations

- I handled all cases in the PDF.
- It was creating Playable objects in PDF, objects are created from classes, not interfaces. Additionally, we can directly separate objects as Playable and Non_playable, so I chose Playable and Non_playable structures as classes when building the structure.
- I also created visual and non-visual interfaces, so I met all the conditions.
- Playable and Non_playable classes and extends from BaseClass.
- I divided my structure into packages as interfaces, media and observer. There is an observer interface in the Observer package. However, I did not include this interface in interfaces.

- When setting up the next and previous functions, I created the structure by thinking of it as a normal playlist.

```
33 ds.add(new Audio(name:"audioname1", duration:"duration1", otherInfo:"other info1"));
34 ds.add(new Audio(name:"audioname2", duration:"duration2", otherInfo:"other info2"));
35 ds.add(new Audio(name:"audioname3", duration:"duration3", otherInfo:"other info3"));
36
37 ds.add(new Video(name:"videoname1", duration:"duration1", otherInfo:"other info1"));
38 ds.add(new Video(name:"videoname2", duration:"duration2", otherInfo:"other info2"));
39 ds.add(new Video(name:"videoname3", duration:"duration3", otherInfo:"other info3"));
```

- Let's think of the list above as a playlist. For example, if we call the next("audio") function while we are in the "audioname1" audio, we will go to the "audioname2" audio. Then, if we call the next("video") function, we go to the "videoname1" video, that is, line 37. If we call the next("audio") function while we are here, we should not be able to go anywhere. Because there is no audio file after the "videoname1" file (line 37).
- If it were implemented to go to the "audioname1" sound, "videoname1" would be played again when we next call the next("video") function, although we were already in the "videoname1" file before. So, according to this logic, the cursor becomes ridiculous.
- You can find all other necessary explanations in the comment lines in my code. Thank you for reviewing.