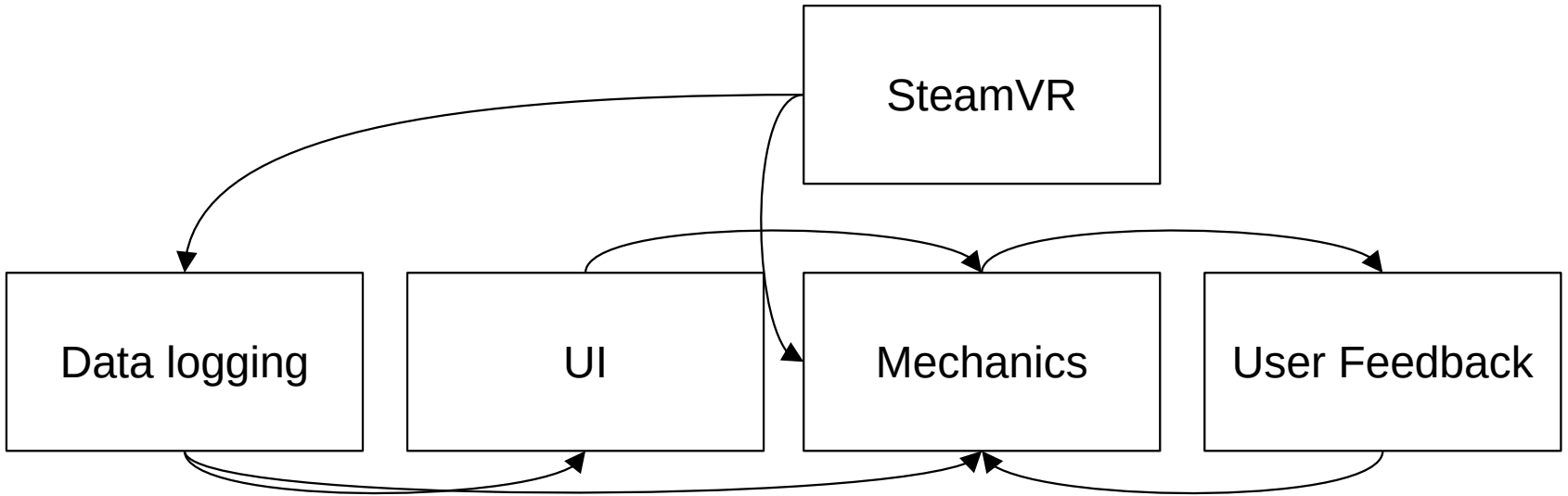
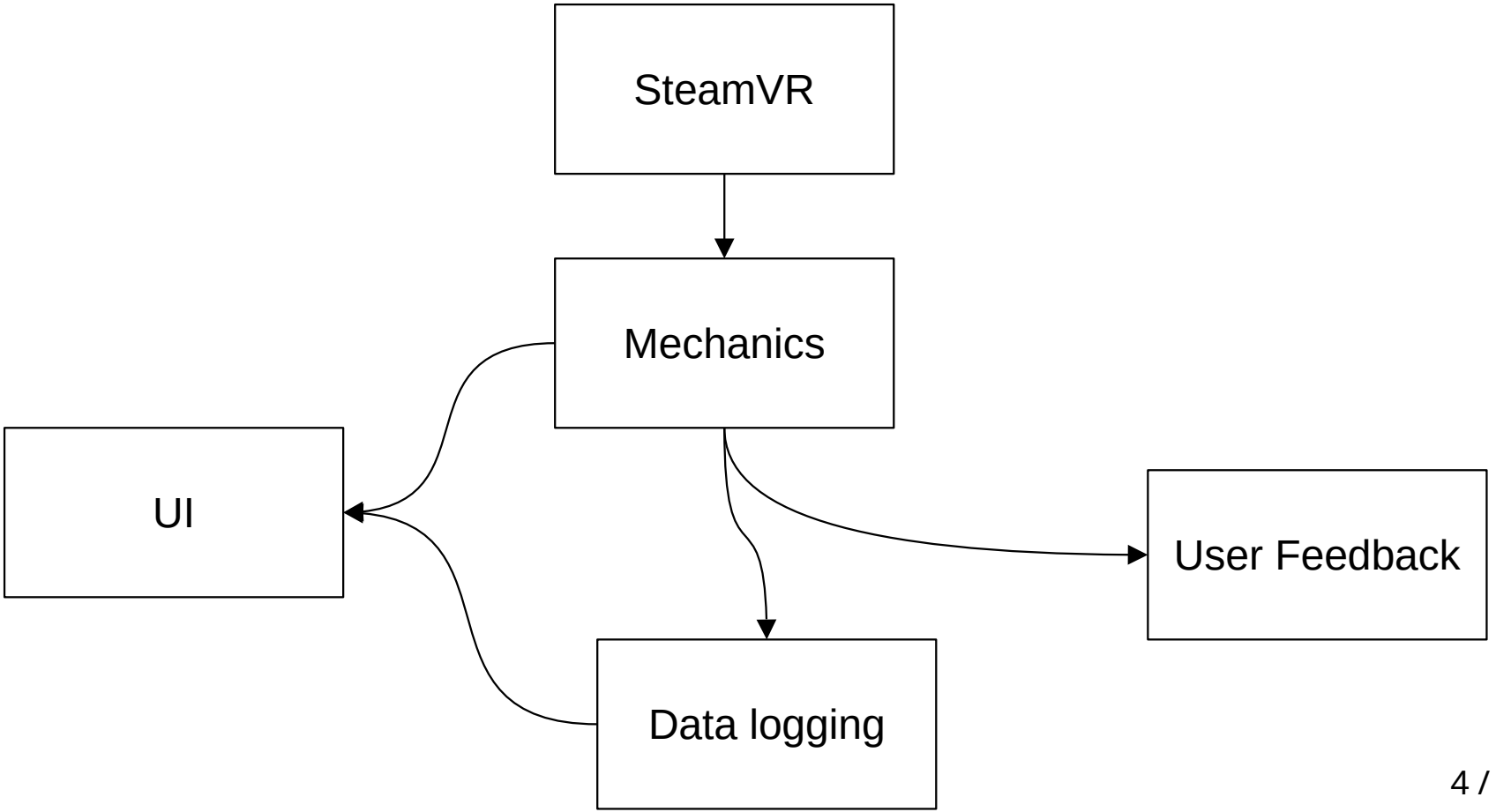
To Do

- Separate modules, by functionality.
- Separate code using inheritance or interfaces.

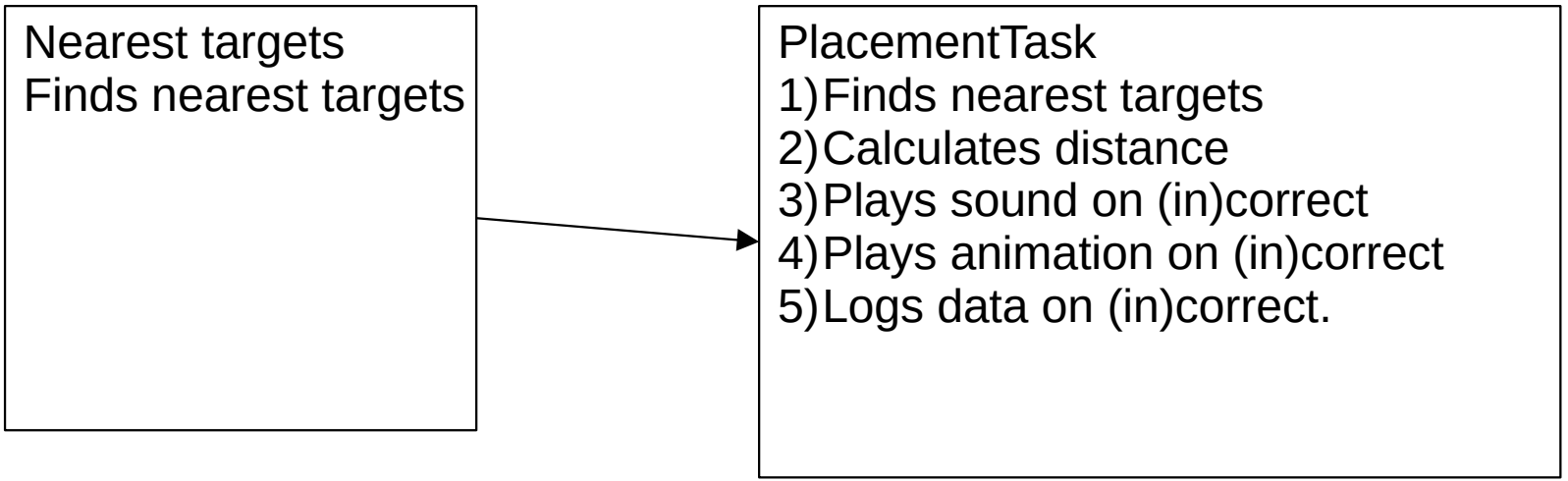
Separate modules: Before



Separate modules: After



Seperating code



Separating code

Mechanics

PlacementTask
1) Finds nearest targets
2) Calculates distance

User feedback

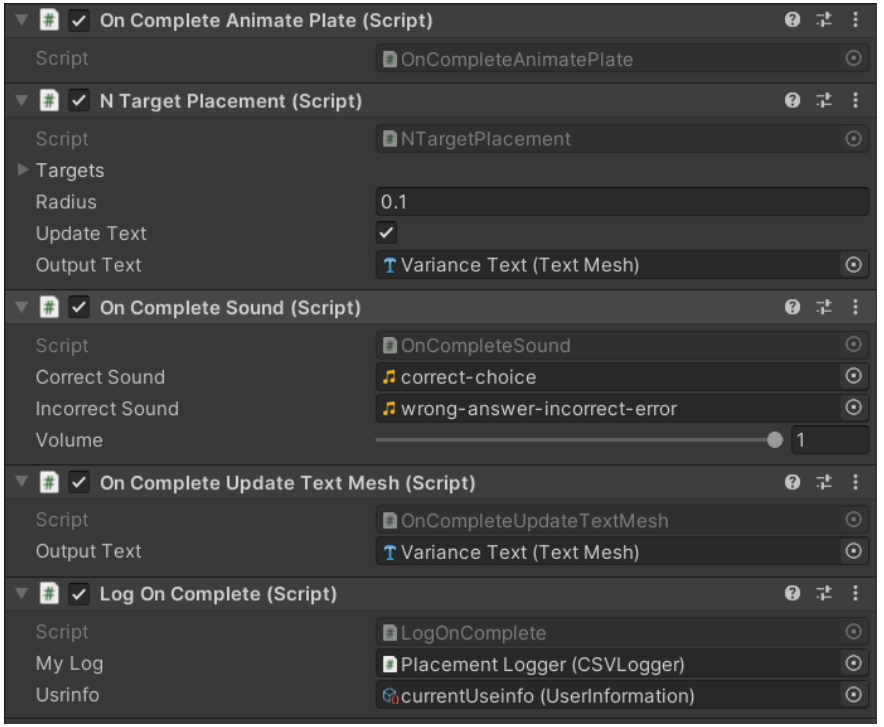
PlaySoundOnComplete

PlayAnimationOnComplete

Data logging

LogOnComplete

What it looks like



Implemented using inheritance and delegates

```
public class NearestTarget : MonoBehaviour
{
    public Vector3[] errorVectors{get; protected set;}
    public delegate void onTaskCompletion();
    public onTaskCompletion onCorrectCompletion;
    public onTaskCompletion onIncorrectCompletion;
```

```
public class NTargetPlacement : NearestTarget
```

```
    onCorrectCompletion();
```

```
[RequireComponent(typeof(NearestTarget))]
public abstract class OnCompleteExecute : MonoBehaviour
{
    protected NearestTarget script;

    // Awake is called when the script instance is being loaded.
    public void Awake()
    {
        script = GetComponent<NearestTarget>();
    }
    // Start is called before the first frame update
    void Start()
    {
        script.onCorrectCompletion += onCorrectComplete;
        script.onIncorrectCompletion += onIncorrectComplete;
    }

    public abstract void onCorrectComplete();
    public abstract void onIncorrectComplete();
}
```

Extensible and reusable