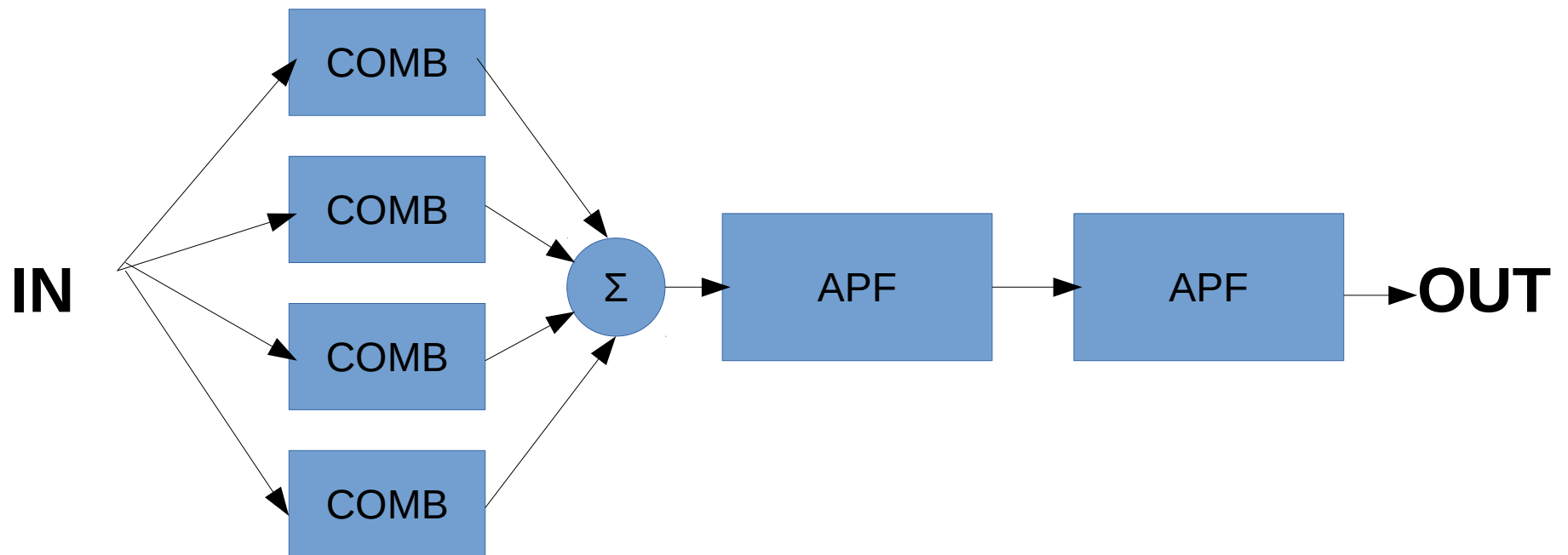
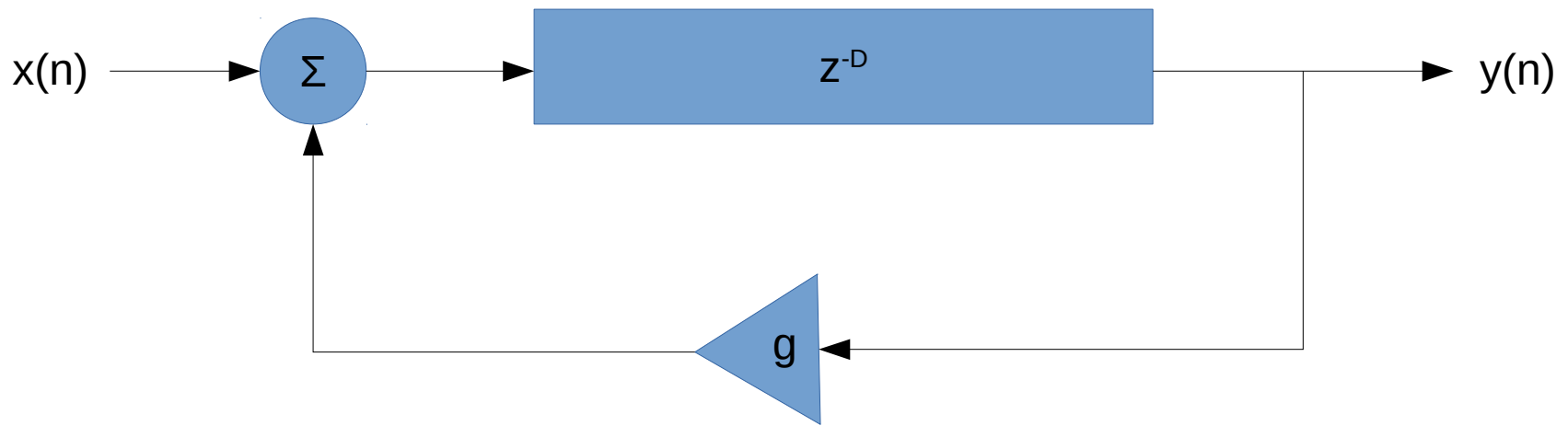


Schroeder's Reverberator

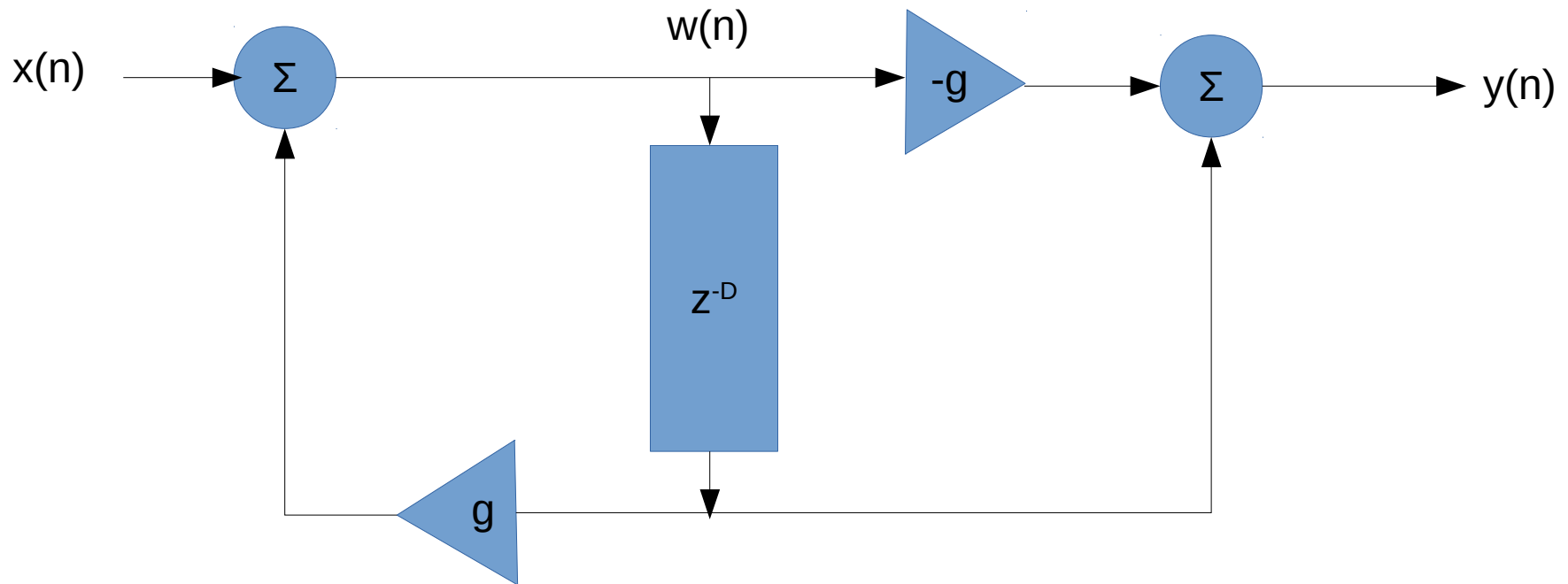


Comb Filter



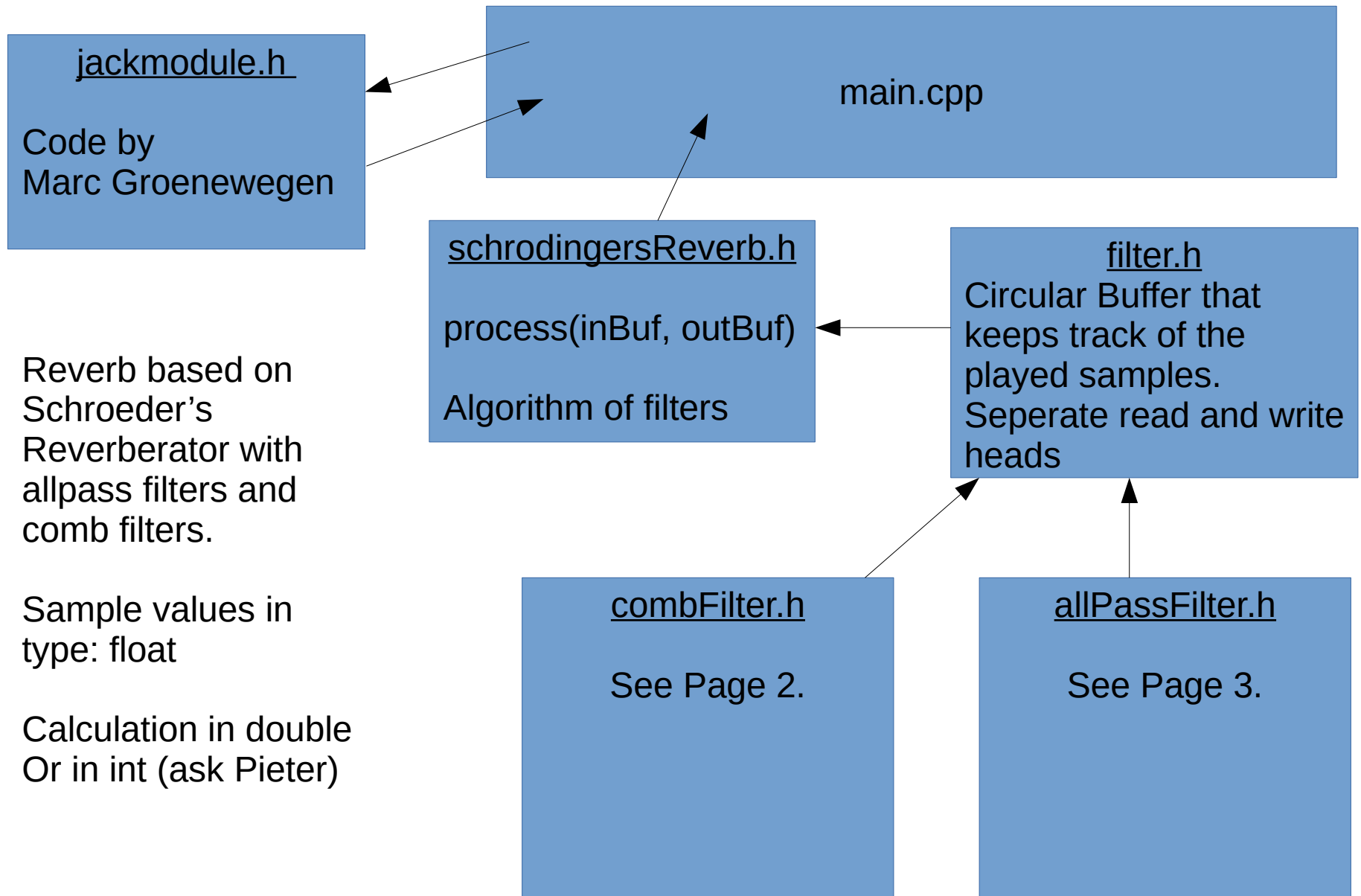
$$y(n) = x(n - 1) + g * y(n - 1)$$

All Pass Filter



$$\begin{aligned}w(n) &= x(n) + g * w(n - D) \\y(n) &= -g * w(n) + w(n - D)\end{aligned}$$

Class Diagram



Schrödinger's Reverb

Functionaliteit:

- Raspberry Pi
- Realtime input/output
- Reverb effect based on Schroeder's reverberator.
- Use filter.h base class from synthesizer assignment.

Extra:

- tweaking the parameters
- changing the algorithm
- add potmeters to change the parameters.

