Lecture 22

CPSC 110

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Lecture 22

Clicker questions

- The only point of variance between `positive-only` and `negative-only` is the predicate used to decide if an element remains in the list.

Abstraction

- Signature for filter
    - (@signature (T -> Boolean) (listof T) -> (listof T))
    - !!! (need to double check)
- Signature for map
    - (@signature (T -> U) (listof T) -> (listof U))
    - `T` and `U` can be different
- Built-in abstract functions
    - `map`, `filter`, `foldr`, `foldl`, `build-list`, and more
- Any function that uses abstract functions must use the `use-absract-fn` template tag
    - (`@template use-`**`abstract`**`-fn`)
- Closures: remember that functions have access to parameters of functions they are contained by!
    - Do not have to use `encapsulated` tag
    - If you are depending on an additional parameter, you must use a [local] parameter.
    - If the work is simple/trivial, use local.
    - If the work is crazy complicated, write a separate function.