Struct SidebarView: View

Variables

@EnvironmentObject var dataController: DataController

* Creates and instance of the DataController class so this view has access to core data
* let smartFilters: [Filter] = [.all, .recent]
  + These are the two filtering processes created in the filter file
  + Filter by all issues or by issues within the last 7 days

@FetchRequest(sortDescriptors:: [SortDescriptor(\.name(]) var tags: FetchedResults<Tag>

* Automatically updates the tags based on if they are created/deleted

var tagFilters: [Filter] {

tags.map { tag in

Filter(id: tag.id, name, tag.name, icon: “tag”, tag: tag)

* Using the fetched Tags this passes the tags through the filter to match the smart filters
* This computes all tags into matching filters

Views

* Lists out .all and recent filtering options
  + changes the view based on which filter was selected
* Filters by tags
  + Changes the view based on the selected tag
  + This is where you could change the filtering per workout
* Creates a toolbar button to add sample data with a flame icon

Functions

Func delete(\_ offsets: IndexSet)

* Deletes the item form the fetchRequest

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var body: some View

List(selection: $dataController.selectedFilter)

* Lists all filters from the datacontroller

Section(“Smart Filters”)

ForEach(smartFilters) { filter in

* There are two filters .all or .recent

NavigationLink(value: filter

Label(filter.name, systemImage: filter.icon)

* these creates a navigationLink that will take you to a new view based on the selected filter

Section(“Tags”)

ForEach(tagFilters) { filter in

NavigationLink(value: filter)

Label(filer.name, systemImage: filter.icon)

* Tags section tags all the tags that have been converted in filter and provides navigation link for each tab.

.toolbar {

Button {

datacontroller.deleteAll()

datacontroller.createSampleData()

* Creates and deletes the sample data

Label: {

Label(“Add Samples”, systemImage: “flame”)

* Creates the tool bar button for the sample data

Func delete(\_ offsets: IndexSet)

For offset in offsets

Let item = tags[offset]

* tags[offset]
  + tags came form fetch request
  + offset is the item being passed into delete

dataController.delete(item)