ProgressTracker Object Domain Model

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ProgressTrackerController MVC

+Token
+Result

+GetAuthToken
+GetProgressByObjective
+GetProgressByObjectiveId
+GetSurvivalistQuotes()
+CalculateSurvivableDays()

Auth Service

+ Token
+IsAuthenticated

+ValidateAuthToken()

FoodStorageInventoryEntity

+Items: List<InventoryItem>

+GetInventoryItems()

InventoryItemEntity

+Category
+Product
+ExpiryDate
+Quantity
+Weight
+ModifiedBy
+ModifiedDate

Progress Tracker Controller API

+Token
+result

+ValidateAuthToken()
+GetProgressByObjective()
+GetProgressbyObjectiveId()
+GetSurvivalistQUotes()
+CalculateSurvivalistDays()

Progress Tracker Utility

+ProgressEntity

TrackerService

TrackerService

+ProgressEntity

+GetRecommendedQuantity
+Track(Inventory, recommendedAmount, objective)

ProgressEntity

+RecommendedQuantity
+GetInventory()

Data

+Get

RecommendedQuantity

+TwoWeek: class
+OneMonth: class
+TwoMonth: class
+ThreeMonth: class
+SixMonth:class
+OneYear:class
+Etc - 25 years

+GetRecommendedQuantity()