App user roles:
Growers
Researchers

App user roles:
Admin
Account-Admin
Agent-Admin

Views selected farm =>
selected block:
irrigation requirments or actual consumption
values

Views selected grower's
selected farm =>
selected block:
irrigation requirments or actual consumption
values

Client - React

get API calls to
[JSON/HTTPS]

Database

Server - Nestjs
Get block data using farm id sent from
client

Client - React
with Redux store

User Role

Grower | Reseracher

User Role

Admin | Account-Admin | Agent-Admin

Sign in - redirected to Growers page

Store states

Selected grower

When growers page loads:
API calls to server to get all growers by user.
Selected grower state in store is the first grower in growers' array.

Sign in - redirected to Fields page

Click on fields navlink redirected to Fields page

Selecte grower with view icon

Selected farm

Selected block

When fields page loads:
API calls to server to get grower's data:
farms, blocks, units, weather, grower reports data, etc forecast data

When fields page loads:
Selected grower state changes and API calls to server to get **selected** grower's data:
farms, blocks, units, weather, grower reports data, etc forecast data

When fields page loads:
API calls to server to get **first grower in growers' array**:
farms, blocks, units, weather, grower reports data, etc forecast data

New feature in fields page - Irrigation req/Actual Consumption component structure

Component Tree Structure

FieldsPage
└─► BlockInfo
      └─► 📁 BlockDetails
            └─► 📁 ETCardsNav
                  ├─► 📁 IrrigationReqManagment
                  ├─► 📁 ActualConsumptionManagment
                  ├─► 📁 EtValueSumAvgSwitch
                  ├─► 📁 FullIrrigationModal
                  │   ├─► 📁 FullIrrigationTableView
                  │   └─► 📁 SelectFullIrrigationCustomDays
                  ├─► 📁 DaysChange
                  │   ├─► 📁 DaysChangeText
                  │   └─► 📁 DaysChangeValue
                  └─► 📁 EtValueCalcHelpers
      └─► 📁 ETGraphManagment
            ├─► 📁 ETGraphView
            ├─► 📁 ETGraphTitle
            └─► 📁 UserReports
                  ├─► 📁 GrowersReportsManagement
                  │   └─► 📁 GrowersReportsModal
                  │   └─► 📁 GrowersReportsTableView
                  │   └─► 📁 GrowersReportTableViewComponents
                  │   └─► 📁 GrowersReportWeeklyEtaCalc
                  └─► 📁 ReasearcherReports

FieldsPage
└─► BlockInfo
    └┄┄► 📁 ETCardsNav
         ├┄┄► 📁 IrrigationReqManagment
         ├┄┄► 📁 ActualConsumptionManagment
         ├┄┄► 📁 EtValueSumAvgSwitch
         ├┄┄► 📁 FullIrrigationModal
         │   ├┄► 📁 FullIrrigationTableView
         │   └┄► 📁 SelectFullIrrigationCustomDays
         ├┄┄► 📁 DaysChange
         │   ├┄► 📁 DaysChangeText
         │   └┄► 📁 DaysChangeValue
         └┄┄► 📁 EtValueCalcHelpers

ETCardsNav ┄┄► maps - from store - selectedBlock - blockData

Component States:
isIrrigationReq (default true)
isToday
isSum (default true)
blockAge

isSum ◄┄► **EtValueSumAvgSwitch**

array of IrrigationReq

array of ActualConsumption

IrrigationReqManagment

ActualConsumptionManagment

Component States:
NextDaysCounter - number
isIrrigationReq (default true)
isToday
isSum (default true)
array of IrrigationReq
array of IrrigationReq sum
array of IrrigationReq avg
blockAge

Component States:
PastDaysCounter - number
isIrrigationReq (default true)
isToday
isSum (default true)
array of ActualConsumption
array of ActualConsumption sum
array of ActualConsumption avg
blockAge

Component States:
isSum (default true)
array of IrrigationReq
array of IrrigationReq sum
array of IrrigationReq avg

DaysChange ┄┄► maps - ActualConsumptionSum or ActualConsumptionAvg and slice according to counter

FullIrrigationModal

Component States:
isSum (default true)
array of IrrigationReq
array of IrrigationReq sum
array of IrrigationReq avg

Component States:
PastDaysCounter - number
nextDayCounter
ETValue
isToday
isSum (default true)
blockAge

FullIrrigationTableView

DaysChangeText

DaysChangeValue

Component States:
numofSelectedDays
(default 7)

SelectFullIrrigationCustomDays

EtValueCalcHelpers