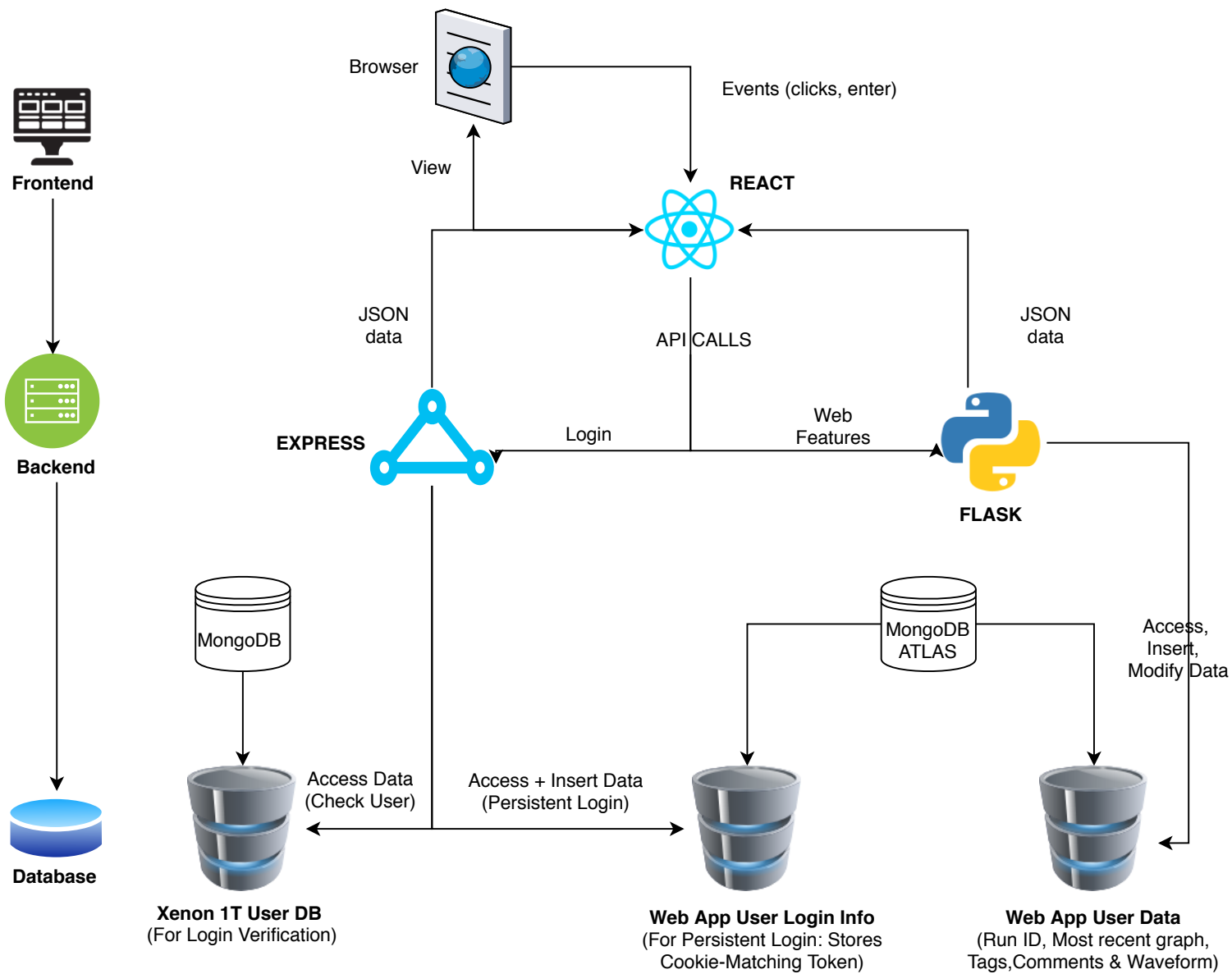
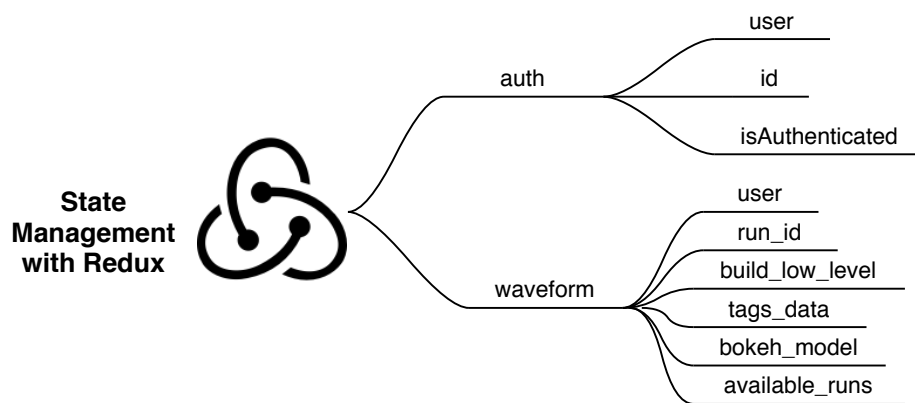
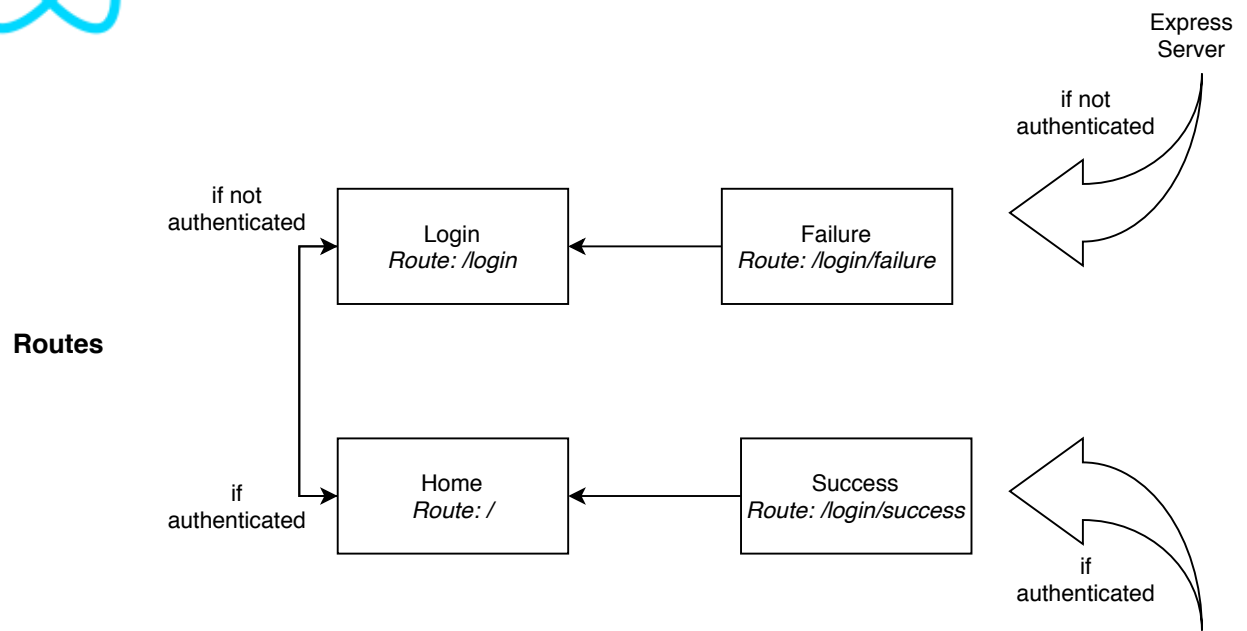


Waveform Watcher Web App Workflow





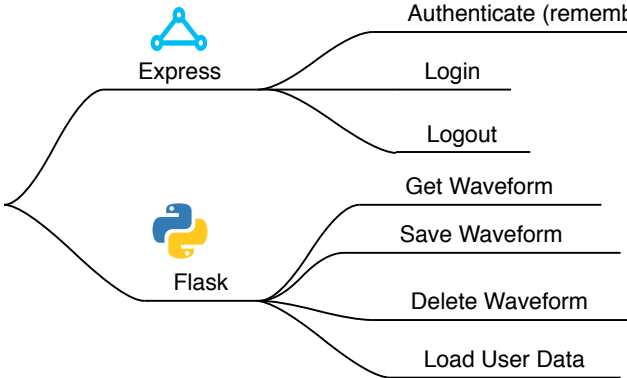
Frontend with React Framework





API Calls

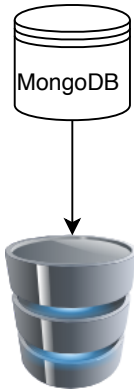
API Calls



Trigger Events	Call Destination
Automatic upon login page mount	/auth
Login	/auth/github
Logout	/logout
Get New Waveform	/api/gw
Save Waveform under Tag	/api/sw
Delete Tag	/api/dw
Automatic upon authentication success	/api/data



Database Struture



Helps verify user. Not really important. Also don't really know what the schema is since it is provided to me by Chris

Xenon 1T User DB
(For Login Verification)

Schema

Collection

- app**
 - _id: String
 - user: String
 - run_id: String
 - build_low_level: Bool
 - tags_data: Array
 - bokeh_model: Obj
- auths**
 - _id: String
 - id: String
 - username: String
 - _v: Int
 - tokens: Object

Cluster

Database

Cluster 0

Waveform

app

auths

Web App User Login Info
(For Persistent Login: Stores Cookie-Matching Token)

Web App User Data
(Run ID, Most recent graph, Tags, Comments & Waveform)