Getting Data from the API
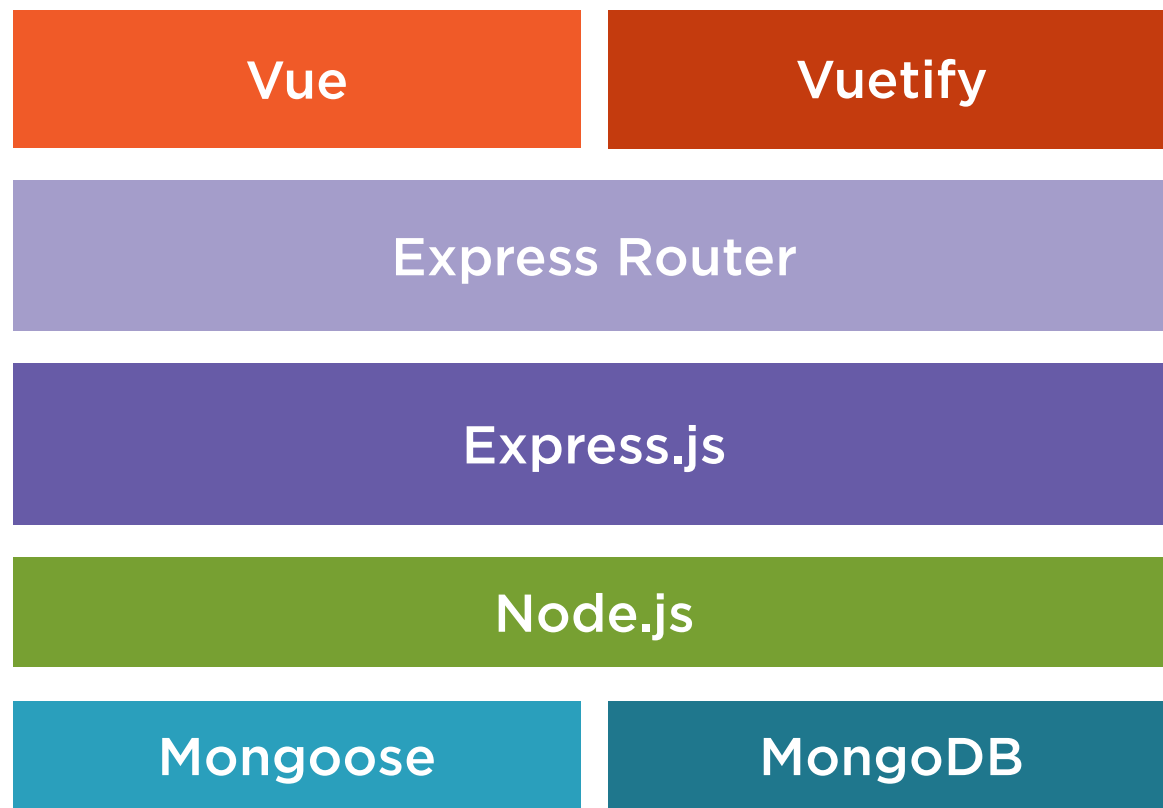
Mark Scott

PLURALSIGHT AUTHOR

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Introduction to Axios
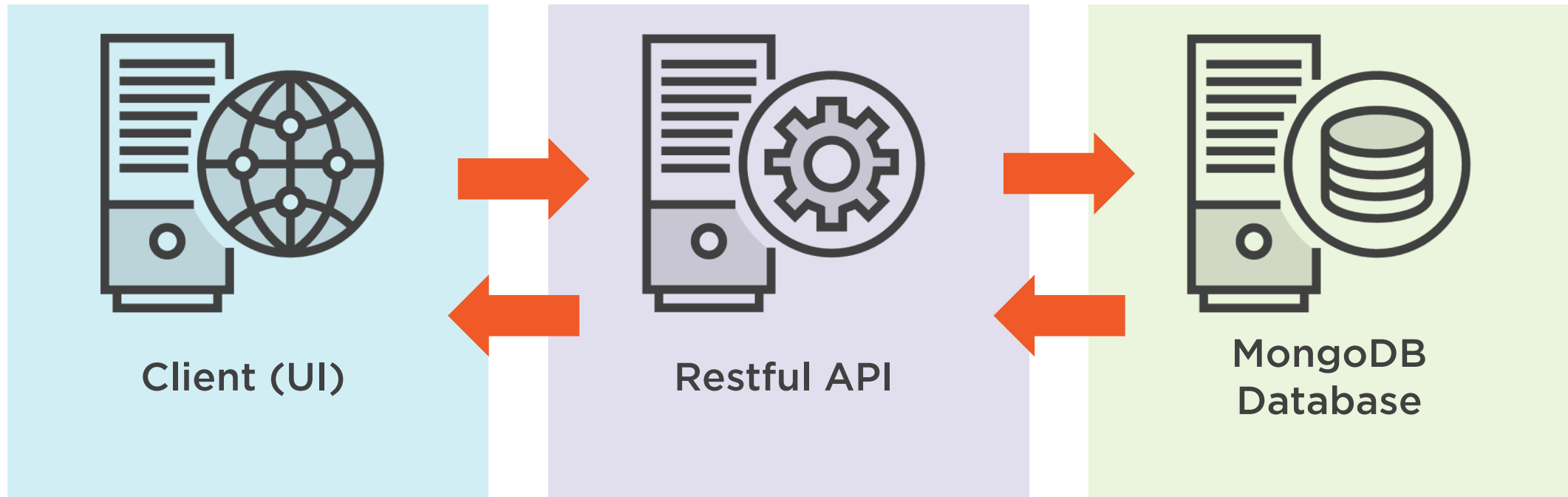
Vue	Vuetify

Express Router

Express.js

Node.js

Mongoose	MongoDB

Dummy Data

Client (UI)

Local Test Data

Real Data

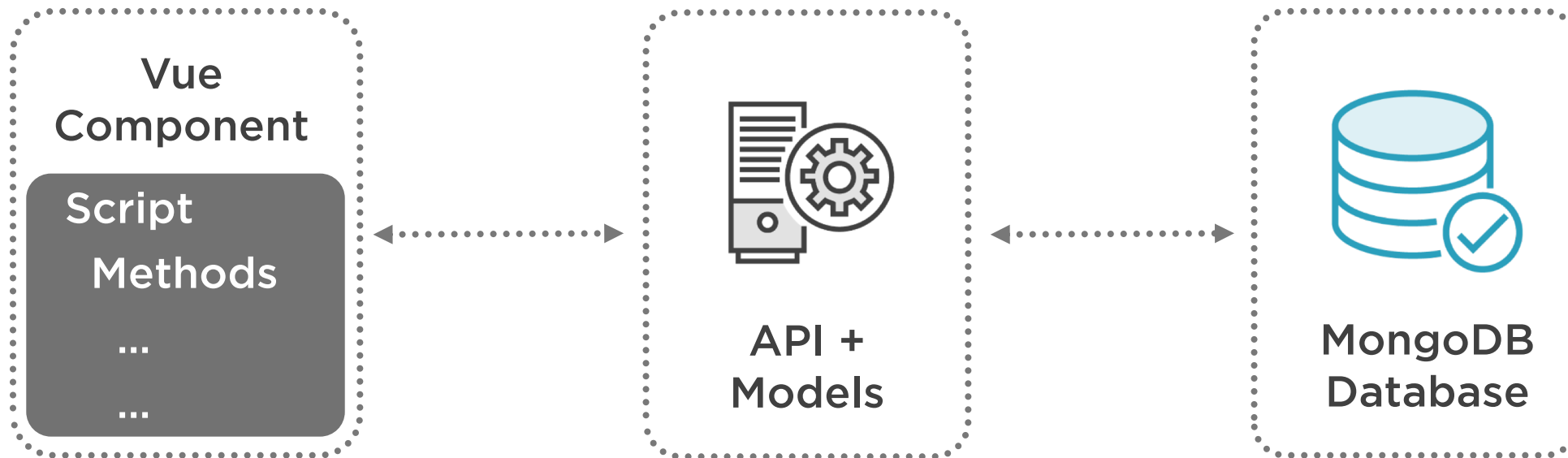Client (UI) → Restful API → MongoDB Database

Axios

github.com/axios/axios

Demo

Install axios

Calling the API from the Component

API Call From Vue Component

```
  methods: {
    // getTransactionsByMonth: function () {
    //    this.$store.dispatch('getTransactionsByMonth')
    // },
    getTransactionsByMonth: function () {
      let me = this
      me.items = []
      this.$http.get('/transaction/' + me.currentYear + '/' + me.currentMonth,
        {headers: {'userId': '5a777f0a75f64a1698221d98'}})
        .then((resp) => {
          let data = resp.data
          if (data && data.length > 0) {
            data.forEach(transaction => {
              me.items.push(me.mapTransaction(transaction))
            })
          }
        })
        .catch((err) => {
          console.log('Dang it!' + err)
        })
    },
```
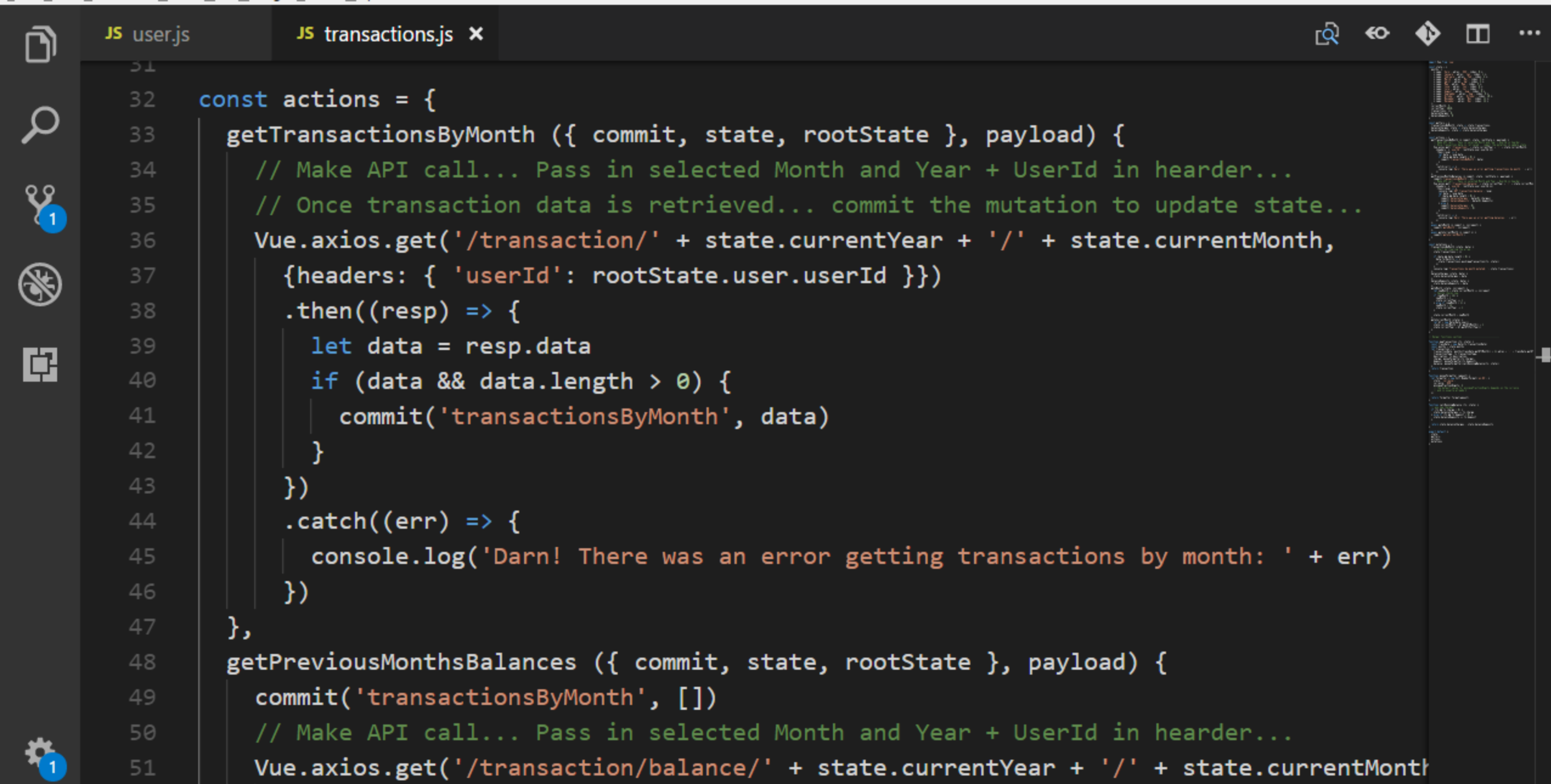
Calling the API from the Vuex Store

API Call From Vuex Store

Vue Component

Script
Computed
Methods
...

Vuex Store

API +
Models

MongoDB
Database

```javascript
const actions = {
  getTransactionsByMonth ({ commit, state, rootState }, payload) {
    // Make API call... Pass in selected Month and Year + UserId in hearder...
    // Once transaction data is retrieved... commit the mutation to update state...
    Vue.axios.get('/transaction/' + state.currentYear + '/' + state.currentMonth,
      {headers: { 'userId': rootState.user.userId }})
      .then((resp) => {
        let data = resp.data
        if (data && data.length > 0) {
          commit('transactionsByMonth', data)
        }
      })
      .catch((err) => {
        console.log('Darn! There was an error getting transactions by month: ' + err)
      })
  },
  getPreviousMonthsBalances ({ commit, state, rootState }, payload) {
    commit('transactionsByMonth', [])
    // Make API call... Pass in selected Month and Year + UserId in hearder...
    Vue.axios.get('/transaction/balance/' + state.currentYear + '/' + state.currentMonth
```
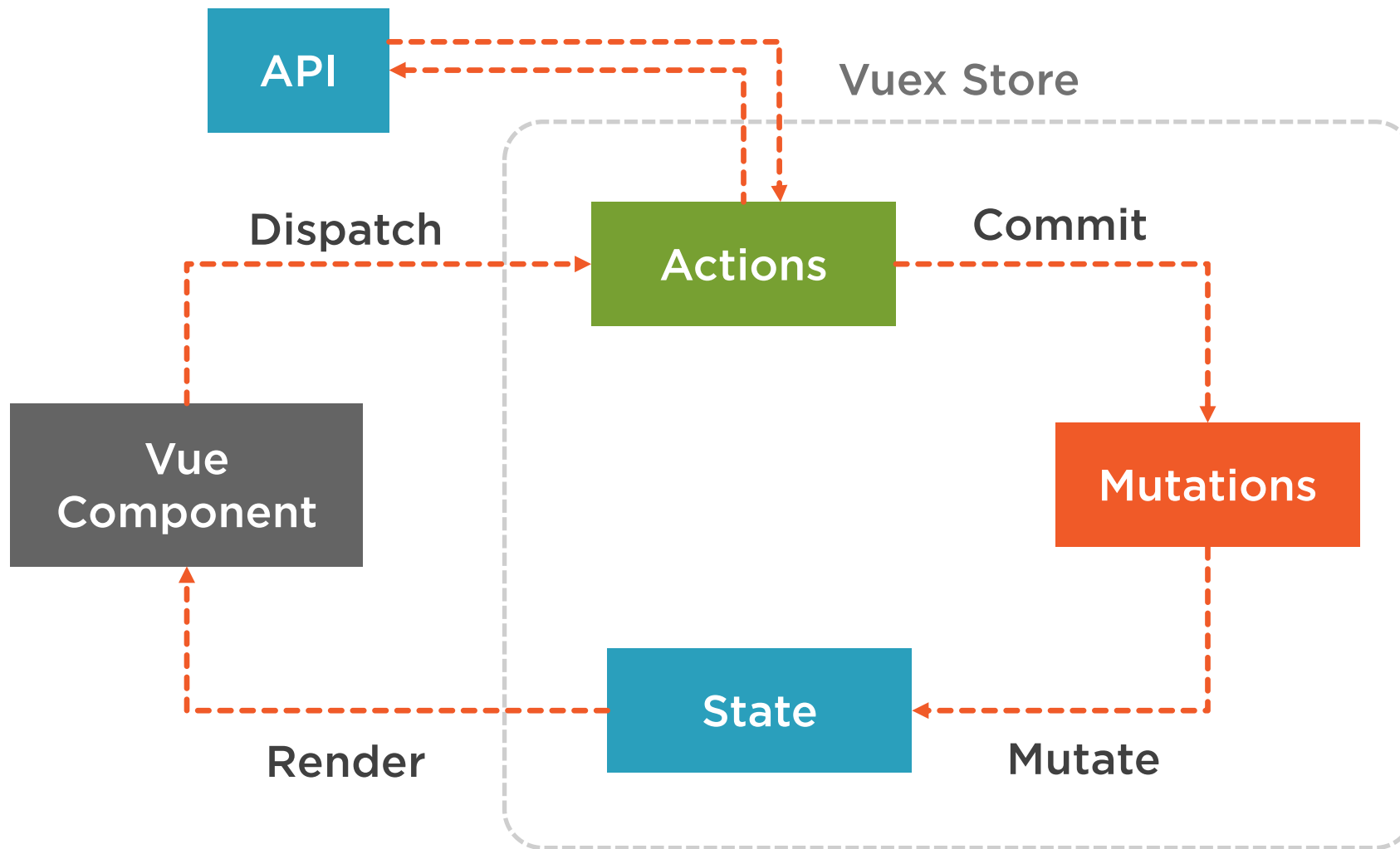
Globally Available State Data

Vuex Workflow

Demo

Using axios

- From our Vuex store

Setup axios

- main.js
- axios is then available throughout app

Modify

- user.js Vuex store module
- Login.vue component

More To Do

There's always more to do!