Navigating Vue Router

Divya Sasidharan

Developer Advocate

netlify

@shortdiv

Why

Routing is essentially the way you navigate through a website or web-application.

Client Side Routing

Client Side Routing

VS

Server Side Routing

Server Side Routing

Fast time to first paint 👍🏾

Optimized for SEO 👍🏾

👎🏾 Full page refresh

👎🏾 Slower routing

Client Side Routing

Fast Routing 👍🏾

Smooth Transitions 👍🏾

👎🏾 longer time to first paint

👎🏾 Not SEO friendly

SPA = Client Side Routing

What

Vue Router

src/
…
router.js
…
…
package.json

src/
…
router/
index.js
routes.js
…
…
package.json

How

```
export default [
  {
    path: "/",
    name: "dashboard",
    component: Dashboard
  },
]
```

src/router/routes.js

```
import Vue from "vue";
import Router from "vue-router";
import routes from "./routes";

Vue.use(Router);

const router = new Router({
  routes,
  mode: "history"
});

export default router;
```

src/router/index.js

```
import Vue from "vue";
import App from "./App.vue";
import router from "./router";

new Vue({
  router,
  render: h => h(App)
}).$mount("#app");
```

src/main.js

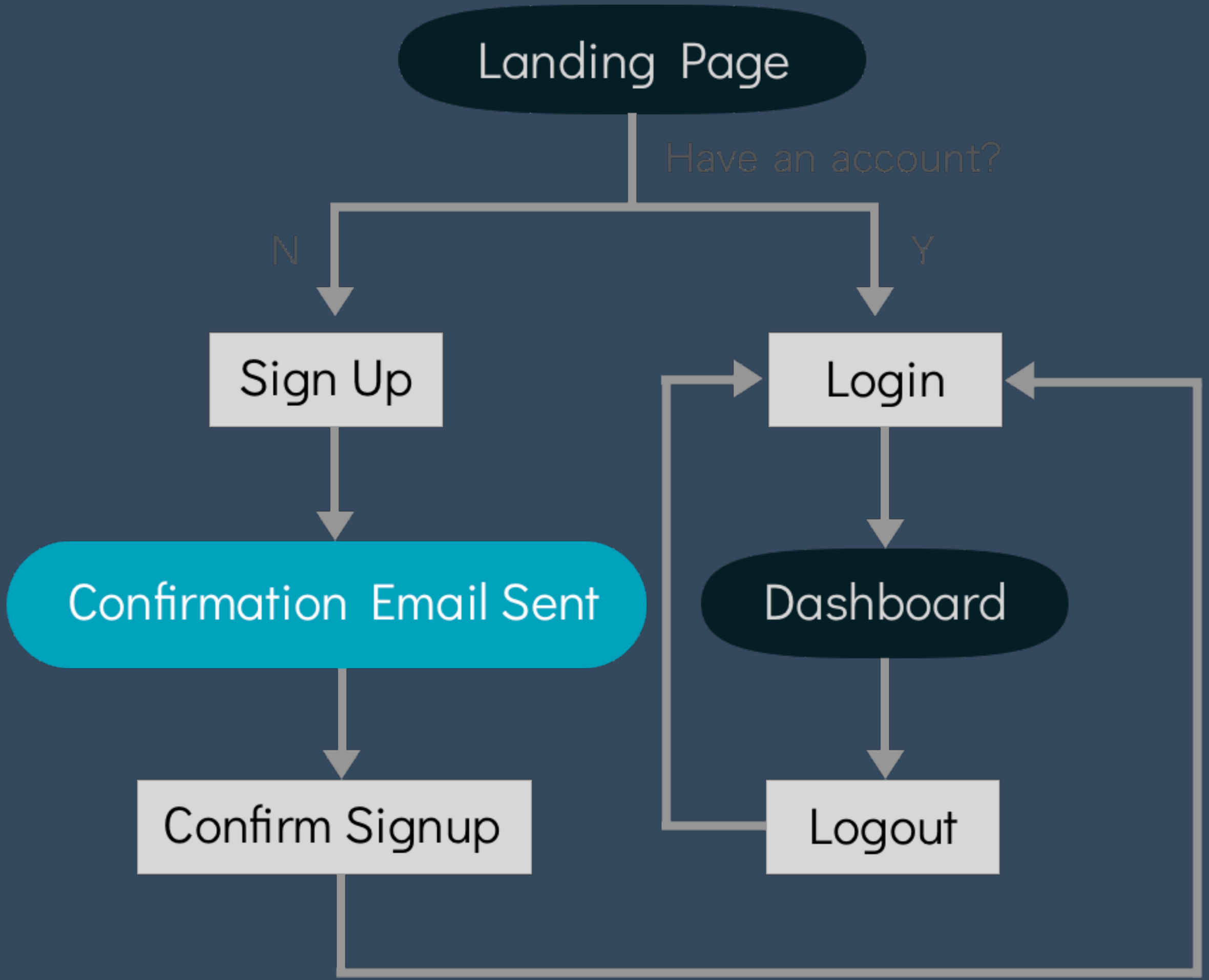
When

- Nested route/view mapping
- Modular, component-based router configuration
- Route params, query, wildcards
- View transition effects powered by Vue.js' transition system
- Fine-grained navigation control
- Links with automatic active CSS classes
- HTML5 history mode or hash mode, with auto-fallback in IE9
- Customizable Scroll Behavior

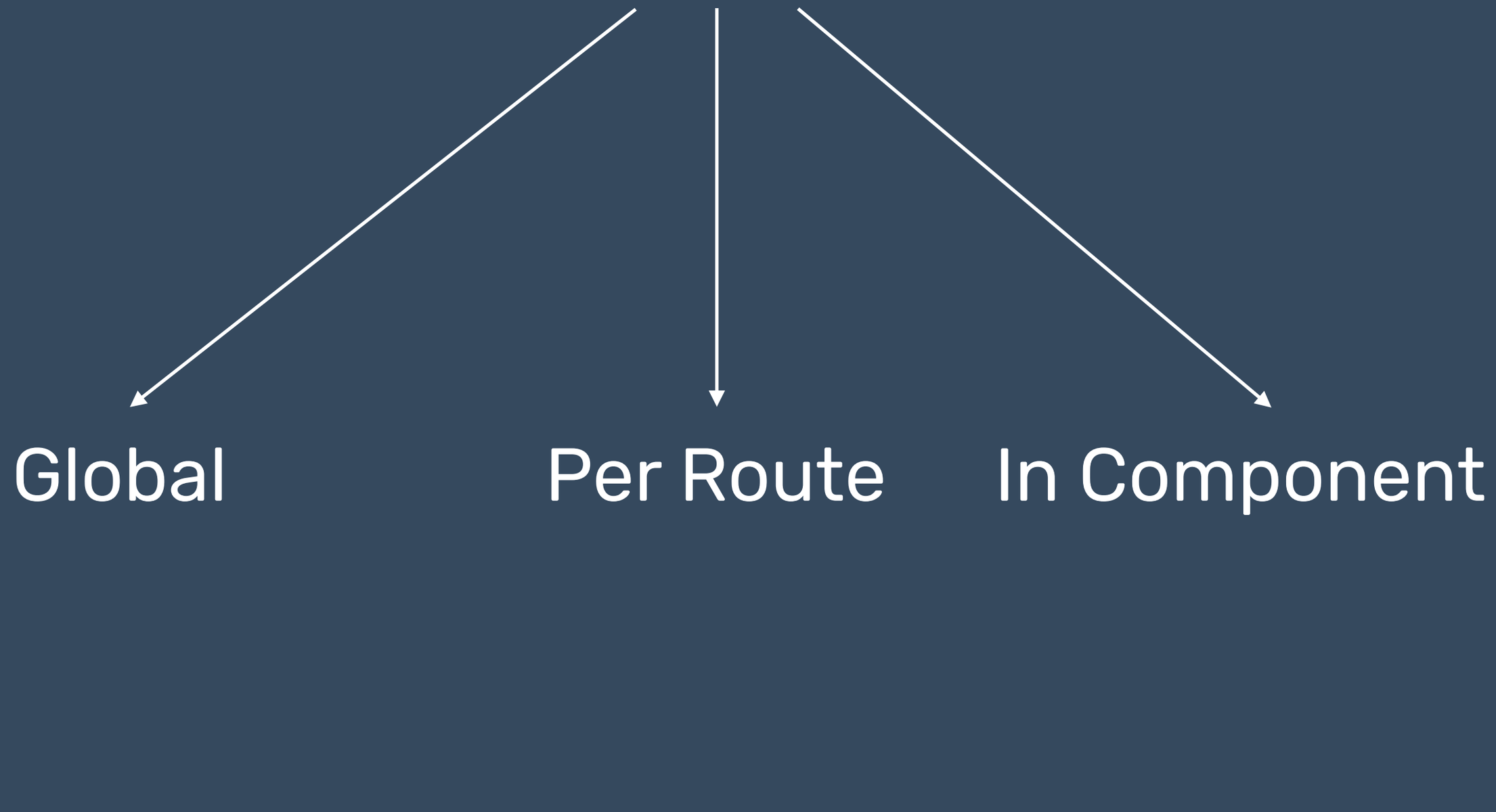
- Nested route/view mapping
- Modular, component-based router configuration
- Route params, query, wildcards
- View transition effects powered by Vue.js' transition system
- Fine-grained navigation control
- Links with automatic active CSS classes
- HTML5 history mode or hash mode, with auto-fallback in IE9
- Customizable Scroll Behavior

Navigation Guards

Demo


Landing Page
Have an account?
N
Y
Sign Up
Login
Confirmation Email Sent
Dashboard
Confirm Signup
Logout

Navigation Guards



Global Hooks

```
…
const router = new Router({
  routes,
  mode: "history"
});

router.beforeEach((to, from, next) ⇒ {
  // …
}
router.beforeResolve((to, from, next) ⇒ {
  // …
}
router.afterEach((to, from, next) ⇒ {
  // …
}
```

src/router/index.js

Per Guard Hooks

```
export default [
  {
    path: “/",
    …
    beforeEnter(to, from, next) {
      // …
    },
    beforeResolve(to, from, next) {
      // …
    }
    afterEach(to, from, next) {
      // …
    }
  },
]
```

src/router/routes.js

In Component Hooks

```
export default {
  name: “Dashboard”,
  …
  beforeRouteEnter(to, from, next) {
    // …
  },
  beforeRouteUpdate(to, from, next) {
    // …
  },
  beforeRouteLeave(to, from, next) {
    // …
  }
}
```

src/router/routes.js

Thanks!

@shortdiv

https://github.com/shortdiv/gotruejs-in-vue