npm install vue-router

step 1 : install hoar por main js e evabe system kore nite hobe

//main.js,

import Vue from "vue";

import App from "./App.vue";

import VueRouter from "vue-router";

import { routes } from "./routes.js";

Vue.use(VueRouter);

const router = new VueRouter({

  routes,

});

new Vue({

  el: "#app",

  router, //initializing router

  render: (h) => h(App),

});

//route.js er sample file,

import User from "./components/user/User.vue";

import Home from "./components/Home.vue";

export const routes = [

  { path: "/user", component: User },

  { path: "/", component: Home },

];

* History mode for route, no hash

//from main.js,

const router = new VueRouter({

  mode: "history",

  routes,

});

* Router link jevabe banate hoy

Onno kono .vue theke (example: Header.vue),

<template>

  <div>

    <ul class="nav nav-pills">

      <li role="presentation"><router-link to="/">Home</router-link></li>

      <li role="presentation"><router-link to="/user">User</router-link></li>

    </ul>

  </div>

</template>

Ekhon eitake component wise import kora holo App.vue e,

<template>

  <div class="container">

    <div class="row">

      <div class="col-xs-12 col-sm-8 col-sm-offset-2 col-md-6 col-md-offset-3">

        <h1>Routing</h1>

        <header-component></header-component>

        <router-view></router-view>

      </div>

    </div>

  </div>

</template>

<script>

import Header from "./components/Header.vue";

export default {

  components: {

    "header-component": Header,

  },

};

</script>

<style></style>

* Style kora router link with jei class ta select korar por active thakbe(frim bootstrap),

 <ul class="nav nav-pills">

<router-link to="/" tag="li" active-class="active" exact

        ><a>Home</a></router-link

      >

      <router-link to="/user" tag="li" active-class="active"

        ><a>User</a></router-link

      >

    </ul>

\*\*\* kono vue file er moddhe jevabe router path (link) follow kore jete hobe with method example,

<template>

  <div>

    <h1>The User Page</h1>

    <button @click="navigateToHome">Go to Home</button>

  </div>

</template>

<script>

export default {

  methods: {

    navigateToHome() {

      this.$router.push({ path: "/" });

    },

  },

};

</script>

\*\*\* passing parameters,

From router.js,

export const routes = [

  { path: "/user/:id", component: User }, //passing parameter

  { path: "/", component: Home },

];

Now from .vue files,

<h1>The User Page {{ $route.params.id }}</h1>

\*\*\* router params glitch fix, mane ek router id theke onno router id te ashar por variable e rakha params update na hoar glitch fix,

<template>

  <div>

    <h1>The User Page</h1>

    <hr />

    <p>{{ id }}</p>

    <button @click="navigateToHome">Go to Home</button>

  </div>

</template>

<script>

export default {

  data() {

    return {

      id: this.$route.params.id, //id variable e rakha

    };

  },

  methods: {

    navigateToHome() {

      this.$router.push({ path: "/" });

    },

  },

  watch: {

    $route(to) {

      this.id = to.params.id; //watch er maddhome params er problem fix

    },

  },

};

</script>

Karon hocche vue.js component ta kea bar recreate kore na, it keeps the existed componenets

\*\*\*\* $route(to,from) mane hocche to diye bujhay kothay ase & from diye bujhay kotha theke ashlo

  $route(to, from) {

      this.id = from.params.id; //to mane kothay ase ar from mane kotha theke ashlo

    },

\*\*\*\*\* nested route

export const routes = [

  {

    path: "/user",

    component: User,

    children: [

      {

        path: ":id",

        component: User,

      },

    ],

  },

  { path: "/", component: Home },

];

Nested route e parent jodi “/user” & child jodi “:id” evabe start hoy tahole mane hocche user/:id evabe cholbe. Jodi child e “/:id” evabe start hoy tahole hocche domain/id evabe cholbe.

Jei path gular under e children path gula rakha hoise <router-view> oi .vue file er under ei hobe. Example holo /user er children gula User.vue er under ei <router-view> niye thakbe.

//User.vue,

<template>

  <div>

    <h1>The User Page</h1>

    <hr />

    <p>{{ id }}</p>

    <button @click="navigateToHome">Go to Home</button>

    <hr />

    <router-view></router-view>

  </div>

</template>

\*\*\*binding router-link to dynamic,

<router-link

      tag="button"

      :to="'/user/' + $route.params.id + '/edit'"

      class="btn btn-primary"

      >Edit</router-link

    >

\*\*\* naming routes,

From route.js,

{ path: ":id/edit", component: UserEdit, name: "userEdit" },

Ekhn .vue file theke jevabe access korte hobe,

<router-link

      tag="button"

      :to="{ name: 'userEdit', params: { id: $route.params.id } }"

      class="btn btn-primary"

      >Edit</router-link

    >

Prothome name & pore params jacche. Tobe params pass na korleo hobe jodi path e props : true set na kora thake.

\*\*\* query parameters

Jei link theke router link kaj korbe with query,

//UserDetail.vue (example)

<template>

  <div>

    <h3>Some User Details</h3>

    <p>{{ $route.params.id }}</p>

    <router-link

      tag="button"

      :to="{

        name: 'userEdit',

        params: { id: $route.params.id },

        query: { locale: 'en', q: 100 },

      }"

      class="btn btn-primary"

      >Edit</router-link

    >

  </div>

</template>

//view hobe jevabe query gulo,

<template>

  <div>

    <h3>Edit the User</h3>

    <p>Locale {{ $route.query.locale }}</p>

    <p>q {{ $route.query.q }}</p>

  </div>

</template>

\*\*\* Components usage, router view ke name er maddhome use kore components barano,

//route.js,

 {

    path: "/",

    components: {

      default: Home,

      "header-bottom": Header,

    },

  },

//App.vue,

 <router-view></router-view>

 <router-view name="header-bottom"></router-view>

//redirecting route

{ path: "/redirect-me", redirect: { name: "userEdit" } },

{ path: "/redirect-me", redirect: "/" },

//redirecting all the other not included routes,

{ path: "\*", redirect: "/" },

//scroll behaivor (from main.js),

const router = new VueRouter({

  mode: "history",

  routes,

  scrollBehavior(to, from, savedPosition) {

    if (savedPosition) {

      console.log(savedPosition);

      return savedPosition;

    }

    return { x: 0, y: 0 };

  },

});

\*\*\*\*befroreRouteEnter ke jevabe .vue file e execure korte hoy,

<script>

export default {

  beforeRouteEnter: (to, from, next) => {

    if (true) {

      next();

    } else {

      next(false);

    }

  },

};

</script>

\*\*\* route.js er routes er moddheo jevabe likhte hoy,

 {

        path: ":id/edit",

        component: UserEdit,

        name: "userEdit",

        beforeEnter: (to, from, next) => {

          console.log("Inside route setup");

          next();

        },

      },