COMPSCI732 Tech Demo

—Frontend framework: Vue

Present by Zihao LUO

Introduction

1.Progressive JavaScript Framework

2.

const ele = document.querySelector("...");

ele.value = "...";

3.

<template></template>

<script setup></script>

<style></style>

Vue Tool Support

1.Try if online

Vue SFC Playground

Vue+Vite on StackBlitz

2.Project Scaffolding

Vite: init vue@latest

Vue: vue create my-project

3.IDE Support:

VSCode + the Vue language Features extension

4.Browser Devtools:

Vue.js devtools

5.Testing: Cypress\Vitest

6.Linting: ESLinting

7.Formatting: Prettier\the Vue language Features extenton

Create a new Vue project

1.

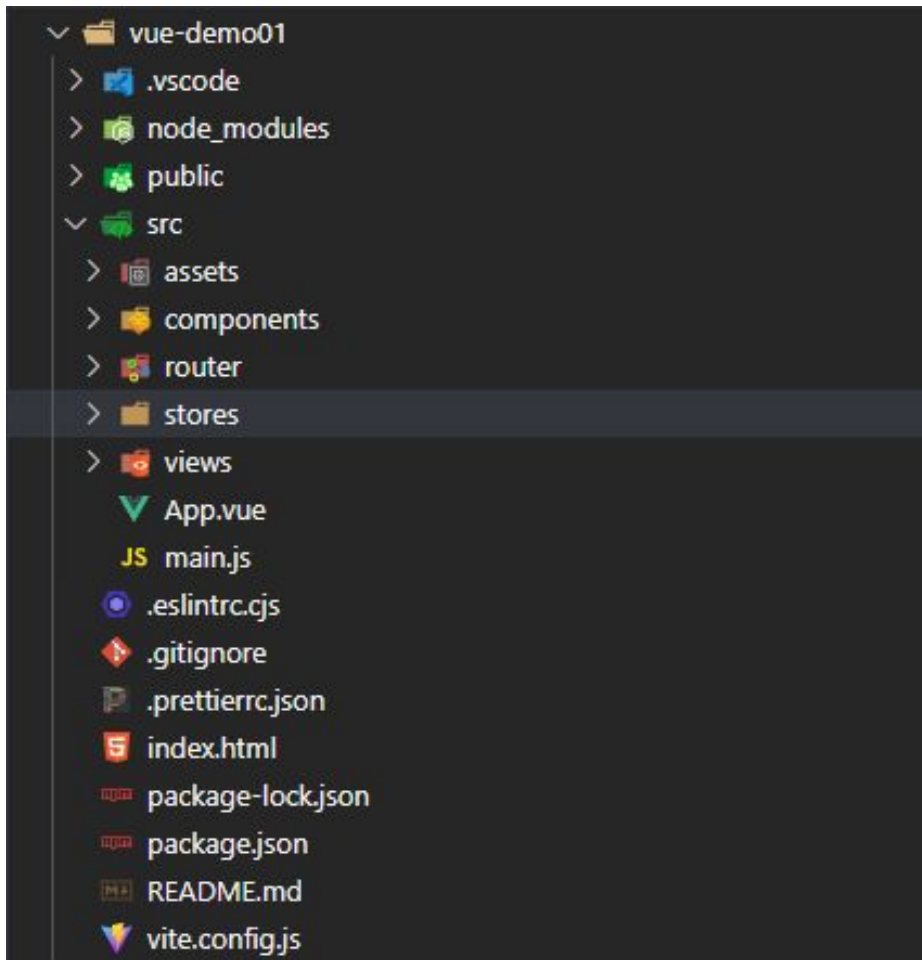*Open terminal   command: npm init vue@latest*

2.

Install dependencies   command: npm install

3.

Open the project in VSCode

The application structure of a new Vue project

Simple demo for routing and state management

1.

import {userRoute} from "vue-router';

setup(){

    const route = useRoute();

    console.log(route)

}

2.

import {userRouter} from 'vue-router';

setup(){

    const router = useRouter();

    const goHome = () =>{

      Router.push('\');

    }

}

3.Dynamic routing: http://localhost:5173/dyrouteview/123?a=1&b=2#aaa

A Simple Blog Page Demo

You did it!

You've successfully created a project with
Vite + Vue 3.

Home   About   NewRoute
DynamicRoute   Blog Demo

Vue3 Basic Tutorial

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Content

Link

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Commonalities between Vue and React

Differences between Vue and React

1.Data-driven view

2. Componentization

3.Virtual Dom

...

1.Different core ideas

2. Component writing difference

3.Responsive principle is different

4.Implementation of diff algorithm

5.Differences in api

...

A movie review site

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https://github.com/UOA-CS732-SE750-Students-2023/cs732-se75-assignment-WilliamLUO0.git