<template>

<div>

<!-- 甘特图容器用于显示甘特图-->

<div class="d-flex justify-start align-center ml-4">

<span class="pr-1">切换视图 </span>

<!-- <v-radio-group @change="getGanttConfigByZoomValue(radioGroup)" v-model="radioGroup" row> -->

<input name='按钮' type='radio' label='年' value="year"@change="getGanttConfigByZoomValue('year')">年

<input name='按钮' type='radio' label='月' value="month"@change="getGanttConfigByZoomValue('month')">月

<input name='按钮' type='radio' label='日' value="day"@change="getGanttConfigByZoomValue('day')" checked>日

<input name='按钮' type='radio' label='小时' value="hour"@change="getGanttConfigByZoomValue('hour')">小时

<!-- </radio-group> -->

</div>

<div id="gantt" ref="gantt"></div>

</div>

</template>

<script>

// 引入甘特图组件

import gantt from 'dhtmlx-gantt' // 引入模块

// 引入甘特图样式

import 'dhtmlx-gantt/codebase/dhtmlxgantt.css'

// var task\_data = {

// "data":[

// {"id":"10", "text":"Project #1", "start\_date":"2021-10-31", "duration":3, "order":10,"progress":0.4, "open": true},

// {"id":"1", "text":"Task #1", "start\_date":"2021-10-31", "duration":2, "order":10,"progress":0.6, "parent":"10"},

// {"id":"2", "text":"Task #2", "start\_date":"2021-11-02", "duration":1, "order":20,"progress":0.6, "parent":"10"},

// {"id":"20", "text":"Project #2", "start\_date":"2021-11-01", "duration":3, "order":10,"progress":0.4, "type": "project", "open": true},

// {"id":"3", "text":"Task #3", "start\_date":"2021-11-01", "duration":2, "order":10,"progress":0.6, "parent":"20"},

// {"id":"4", "text":"Task #4", "start\_date":"2021-11-02", "duration":2, "order":20,"progress":0.6, "parent":"20"}

// ],

// "links":[

// { "id":1, "source":1, "target":2, "type":"1"},

// { "id":2, "source":2, "target":3, "type":"0"},

// { "id":3, "source":3, "target":4, "type":"0"},

// { "id":4, "source":2, "target":5, "type":"2"}

// ]

// }

export default {

// 当前模块名称, 任意填写

name: "gantt",

data: () => ({

task\_data : {

"data":[

{"id":"10", "text":"Project #1", "start\_date":"2021-10-31 08:00", "end\_date":"2021-11-01 13:00 ", "order":10},

{"id":"111", "text":"Task #1", "start\_date":"2021-10-31 08:00", "end\_date":"2021-10-31 10:00", "worker\_S":2,"worker\_A":3,"tool\_alpha":3,"tool\_beta":4, "order":10,"parent":"10"},

{"id":"112", "text":"Task #2", "start\_date":"2021-10-31 10:00", "end\_date":"2021-10-31 14:00", "worker\_S":4,"worker\_A":6,"tool\_alpha":5,"tool\_beta":8, "order":10, "parent":"10"},

{"id":"113", "text":"Task #3", "start\_date":"2021-10-31 13:00", "end\_date":"2021-10-31 14:00", "worker\_S":1,"worker\_A":2,"tool\_alpha":1,"tool\_beta":2, "order":10, "parent":"10"},

{"id":"114", "text":"Task #4", "start\_date":"2021-11-01 08:00", "end\_date":"2021-11-01 11:00", "worker\_S":3,"worker\_A":7,"tool\_alpha":2,"tool\_beta":7, "order":10,"parent":"10"},

{"id":"115", "text":"Task #5", "start\_date":"2021-11-01 10:00", "end\_date":"2021-11-01 13:00", "worker\_S":2,"worker\_A":4,"tool\_alpha":3,"tool\_beta":4, "order":10,"parent":"10"},

{"id":"20", "text":"Project #2", "start\_date":"2021-11-01 08:00", "end\_date":"2021-11-02 15:00 ","order":10,"type": "project"},

{"id":"221", "text":"Task #1", "start\_date":"2021-11-01 08:00", "end\_date":"2021-11-01 12:00", "worker\_S":4,"worker\_A":4,"tool\_alpha":6,"tool\_beta":2, "order":10, "parent":"20"},

{"id":"222", "text":"Task #2", "start\_date":"2021-11-01 11:00", "end\_date":"2021-11-01 16:00", "worker\_S":4,"worker\_A":5,"tool\_alpha":1,"tool\_beta":5, "order":10, "parent":"20"},

{"id":"223", "text":"Task #3", "start\_date":"2021-11-02 08:00", "end\_date":"2021-11-02 09:00", "worker\_S":2,"worker\_A":1,"tool\_alpha":2,"tool\_beta":2, "order":10, "parent":"20"},

{"id":"224", "text":"Task #4", "start\_date":"2021-11-02 09:00", "end\_date":"2021-11-02 11:00", "worker\_S":2,"worker\_A":3,"tool\_alpha":2,"tool\_beta":3, "order":10, "parent":"20"},

{"id":"225", "text":"Task #4", "start\_date":"2021-11-02 11:00", "end\_date":"2021-11-02 15:00", "worker\_S":3,"worker\_A":5,"tool\_alpha":3,"tool\_beta":5, "order":10, "parent":"20"},

{"id":"30", "text":"Project #3", "start\_date":"2021-11-03 08:00", "end\_date":"2021-11-03 16:00 ","order":10,},

{"id":"331", "text":"Task #1", "start\_date":"2021-11-03 08:00", "end\_date":"2021-11-03 08:30", "worker\_S":1,"worker\_A":1,"tool\_alpha":1,"tool\_beta":2, "order":10, "parent":"30"},

{"id":"332", "text":"Task #2", "start\_date":"2021-11-03 09:00", "end\_date":"2021-11-03 10:00", "worker\_S":1,"worker\_A":2,"tool\_alpha":2,"tool\_beta":1, "order":10, "parent":"30"},

{"id":"333", "text":"Task #3", "start\_date":"2021-11-03 13:00", "end\_date":"2021-11-03 15:00", "worker\_S":2,"worker\_A":3,"tool\_alpha":1,"tool\_beta":3, "order":10, "parent":"30"},

{"id":"334", "text":"Task #4", "start\_date":"2021-11-03 14:00", "end\_date":"2021-11-03 15:00", "worker\_S":1,"worker\_A":2,"tool\_alpha":1,"tool\_beta":1, "order":10, "parent":"30"},

{"id":"335", "text":"Task #5", "start\_date":"2021-11-03 15:00", "end\_date":"2021-11-03 16:00", "worker\_S":2,"worker\_A":1,"tool\_alpha":2,"tool\_beta":1, "order":10, "parent":"30"},

{"id":"40", "text":"Project #4", "start\_date":"2021-11-04 08:00", "end\_date":"2021-11-05 15:00 ","order":10,"type": "project"},

{"id":"441", "text":"Task #1", "start\_date":"2021-11-04 08:00", "end\_date":"2021-11-04 12:00", "worker\_S":3,"worker\_A":4,"tool\_alpha":2,"tool\_beta":4, "order":10, "parent":"40"},

{"id":"442", "text":"Task #2", "start\_date":"2021-11-04 11:00", "end\_date":"2021-11-04 14:00", "worker\_S":5,"worker\_A":6,"tool\_alpha":4,"tool\_beta":7, "order":10, "parent":"40"},

{"id":"443", "text":"Task #3", "start\_date":"2021-11-04 13:00", "end\_date":"2021-11-04 16:00", "worker\_S":3,"worker\_A":3,"tool\_alpha":3,"tool\_beta":5, "order":10, "parent":"40"},

{"id":"444", "text":"Task #4", "start\_date":"2021-11-05 08:00", "end\_date":"2021-11-05 12:00", "worker\_S":3,"worker\_A":3,"tool\_alpha":2,"tool\_beta":5, "order":10, "parent":"40"},

{"id":"445", "text":"Task #5", "start\_date":"2021-11-05 11:00", "end\_date":"2021-11-05 15:00", "worker\_S":3,"worker\_A":4,"tool\_alpha":4,"tool\_beta":5, "order":10, "parent":"40"}

],

// "links":[

// { "id":1, "source":1, "target":2, "type":"1"},

// { "id":2, "source":2, "target":3, "type":"0"},

// { "id":3, "source":3, "target":4, "type":"0"},

// { "id":4, "source":2, "target":5, "type":"2"}

// ]

}

}),

// Vue中的生命周期函数,在组件挂载成功后自动执行

methods: {

// 点击切换时间

getGanttConfigByZoomValue (value) {

switch (value) {

case 'minute':

gantt.config.scales = [

{unit: "day", step: 1, format: "%Y-%m-%d "},

{unit: "minute", step:1, format: "%H:%i" },

];

gantt.config.scale\_height = 27;

break

case 'hour':

gantt.config.scales = [

{unit: "day", step: 1, format: "%Y-%m-%d "},

{unit: "hour", step:1, format: "%H" },

];

gantt.config.scale\_height = 27;

break

case 'day':

gantt.config.scales = [

{unit: "year", step: 1, format: "%Y"},

{unit: "day", step: 1, format: "%d %M"}];

gantt.config.scale\_height = 27;

break

case "month":

gantt.config.scales = [

{unit: "month", step: 1, format: "%F, %Y"},

];

gantt.config.scale\_height = 50;

break;

case "year":

gantt.config.scales = [

{unit: "year", step: 1, format: "%Y"},

];

gantt.config.scale\_height = 50;

break;

}

gantt.render();

}

},

mounted: function () {

// 处理上面data中的数据

/\*this.data.results.forEach(item => {

// 此处为处理航班数据, 此处根据业务需求编写

if (item.slipping\_time) item.slipping\_time = new Date(item.slipping\_time)

const fly\_time = (new Date(item.slipping\_time).getTime() - new Date(item.start\_date).getTime()) / 1000;

const duration1 = (new Date(item.end\_date).getTime() - new Date(item.start\_date).getTime()) / 1000

item.progress = fly\_time / duration1

})

// 将处理完成,写到tasks对象中

this.tasks = {

data

};

// 深拷贝甘特图即将用到的数据

this.result = JSON.parse(JSON.stringify(data))\*/

// 配置甘特图的日期格式

gantt.config.date\_format = "%Y-%m-%d %H:%i";

// 配置甘特图是否只读, 通俗地讲就是是否可以拖动甘特图的时间块

gantt.config.readonly = false;

// 甘特图的单位

gantt.config.duration\_unit = "minute"; // minute, day, month

// 设置日期标题的高度, 单位像素

gantt.config.scale\_height = 30 \* 2;

// 配置甘特图以年 月 日 时 显示形式

gantt.config.scales = [

{unit: "day", step: 1, format: "%Y-%m-%d "},

{unit: "minute", step: 1, format: "%H:%i"},

];

this.getGanttConfigByZoomValue('day')

// 设置甘特图语言

// gantt.i18n.setLocale({

// labels: {

// column\_text: "工作名称",

// column\_start\_time: "开始时间",

// column\_end\_time: "结束时间",

// column\_worker\_S: "人员S",

// column\_worker\_B: "人员B",

// column\_tool\_alpha:"工具alpha",

// column\_tool\_belta:"工具belta",

// }

// })

// 表头配置显示列

// name:绑定数据的名称 align：对其方式 label显示在表头的名称

gantt.config.columns = [//设置列

{name: "text", label:"工作名称",width: "120", align: "center", tree: true},

{name: "start\_date",label:"开始时间", width: "110", align: "center"},

{name: "end\_date",label:"结束时间", width: "110", align: "center"},

{name: "worker\_S", label:"人员S", width: "100", align: "center"},

{name: "worker\_A", label:"人员A", width: "100", align: "center"},

{name: "tool\_alpha",label:"工具alpha", width: "100", align: "center"},

{name: "tool\_beta", label:"工具beta",width: "100", align: "center"},

];

// 将甘特图显示到容器中去

gantt.init(this.$refs.gantt);

// 将数据添加到甘特图中

console.log(this.task\_data);

gantt.parse(this.task\_data);

gantt.attachEvent("onAfterTaskDrag", function(id, mode, e){

//any custom logic here

console.log(gantt.getTask(id));

});

},

};

</script>

<style>

#gantt {

height: calc(100vh - 100px);

width: calc(100vw - 100px);

}

</style>