**广东海洋大学学生实验报告书（学生用表）**

**GDOU-B-11-112**

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| 实验名称 | jquery实现轮播图 | | | | 课程名称 | | 用户界面设计 | | | | 课程号 | |  |
| 学院(系) | 数计（软件）学院 | | 专业 | 软件工程 | | | | | 班级 | | 软件1172 | | |
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1. 实验目的

通过jquery框架实现轮播图

1. 实验内容

**1.项目结果展示(请使用chrome浏览器打开)：** <https://ghkmmm.github.io/swiper_jq/html/index.html>

**2.html和css 与上次结果相同**

**3.js部分**

let mainSwiper = $('.main-img')[0];

let countItem = $('.count-item');

//轮播图片个数

let totalImg = $("img");

let imgCount = totalImg.length/2;

let swiperStyle = mainSwiper.style;

let swiperWidth = mainSwiper.clientWidth;

let swiperTransDistance = 0;

let currentIndex = 0

let upBtn = $(".up");

let nextBtn = $(".next");

console.log(imgCount);

//设置定时器

let timer = setInterval(() => {

imgTranslate();

countTrans();

}, 3000);

//开启定时器

function startTimer(){

timer = setInterval(()=>{

imgTranslate();

countTrans();

}, 3000);

}

//关闭定时器

function stopTimer(){

clearInterval(timer);

}

//图片轮播动画

function imgTranslate(){

if(currentIndex == imgCount-1){

swiperStyle.transform = `translateX(0px)`;

swiperTransDistance = 0;

}else{

swiperTransDistance = swiperWidth \* (currentIndex+1);

swiperStyle.transform = `translateX(-${swiperTransDistance}px)`

}

}

//图片向前滚动

function imgReTrans(){

if(currentIndex!=0){

swiperStyle.transform = `translateX(-${swiperWidth \* (currentIndex-1)}px)`;

}else{

swiperStyle.transform = `translateX(-${swiperWidth \* (imgCount-1)}px)`;

}

}

//底部指示器的滚动

function countTrans(){

console.log(currentIndex);

if(currentIndex == imgCount-1){

currentIndex = 0;

countItem.eq(currentIndex).addClass("count-active").siblings(countItem).removeClass("count-active");

}else{

countItem.eq([currentIndex+1]).addClass("count-active").siblings(countItem).removeClass("count-active");

currentIndex++;

}

}

//底部指示器向前滚动

function countReTrans(){

if(currentIndex == 0){

countItem.eq(imgCount-1).addClass("count-active").siblings(countItem).removeClass("count-active");

currentIndex = imgCount-1;

}else{

countItem.eq(currentIndex-1).addClass("count-active").siblings(countItem).removeClass("count-active");

currentIndex--;

}

}

//上一张图片

upBtn.click(() => {

stopTimer();

imgReTrans();

countReTrans();

startTimer();

})

//下一张图片

nextBtn.click(() => {

stopTimer();

imgTranslate();

countTrans();

startTimer();

})

//触摸小图切换图片

$(".mini-img img").click(function(){

stopTimer();

let i = $(this).index();

let picInterval = currentIndex-i;

let picIntervalAbs = Math.abs(picInterval);

if(picInterval<0){

for(let a = 0;a<picIntervalAbs;a++){

imgTranslate();

countTrans();

}

}else{

for(let b = 0;b<picIntervalAbs;b++){

imgReTrans();

countReTrans();

}

}

startTimer();

})

1. 实验结果

与上次结果相同