**代码清单**



课程名称： 软件工程导论

项目名称： 睡眠小屋小程序

小组名称： G03

小组成员： 盛泽文 王烨涵 韩宇

指导老师： 杨枨

日期： 2019 年 5 月 25

# 版本历史

|  |  |  |  |
| --- | --- | --- | --- |
| 版本号 | 编写者 | 编写日期 | 是否通过审核 |
| 1.0 | 盛泽文、王烨涵、韩宇 | 2019.5.25 | 是 |
|  |  |  |  |

目录

[**代码清单** 1](#_Toc9780794)

[版本历史 2](#_Toc9780795)

[一、 功能模块代码 2](#_Toc9780796)

[1.1. 用户认证登入模块 2](#_Toc9780797)

[app.js 2](#_Toc9780798)

[app.json //小程序导航部分 3](#_Toc9780799)

[1.2. 设置模块 4](#_Toc9780800)

[1.2.1 设定睡觉时间模块 4](#_Toc9780801)

[JS： 4](#_Toc9780802)

[1.2.2 设定提醒时间模块 5](#_Toc9780803)

[JS： 5](#_Toc9780804)

[WXML： 5](#_Toc9780805)

[1.2.3 用户反馈模块 6](#_Toc9780806)

[JS： 6](#_Toc9780807)

[1.3. 3.睡眠小屋模块 7](#_Toc9780808)

[1.3.1 查看小屋模块 7](#_Toc9780809)

[house.js 7](#_Toc9780810)

[1.3.2 拖动家具模块 7](#_Toc9780811)

[暂无 7](#_Toc9780812)

[1.4. 我的模块 7](#_Toc9780813)

[1.4.1 进入睡眠小屋模块 7](#_Toc9780814)

[index.js 7](#_Toc9780815)

[Wxml： 9](#_Toc9780816)

[1.4.2 背景音乐模块 10](#_Toc9780817)

[JS： 10](#_Toc9780818)

[1.4.3 结束睡觉模块 11](#_Toc9780819)

[JS： 11](#_Toc9780820)

[WXML： 12](#_Toc9780821)

[1.4.4 显示时钟模块 12](#_Toc9780822)

[1.5. 睡眠圈模块 14](#_Toc9780823)

[1.5.1 显示排行榜模块 14](#_Toc9780824)

[1.5.2 点赞模块 15](#_Toc9780825)

[JS： 15](#_Toc9780826)

[WXML： 16](#_Toc9780827)

[二、 UI界面设计模块 16](#_Toc9780828)

[2.1. 设置模块 16](#_Toc9780829)

[2.2. 我的模块 18](#_Toc9780830)

[2.3. 睡眠小屋模块 22](#_Toc9780831)

[2.4. 睡眠圈模块 22](#_Toc9780832)

# 功能模块代码

## 用户认证登入模块

app.js

App({

onLaunch: function () { // 展示本地存储能力

var logs = wx.getStorageSync('logs') || []

logs.unshift(Date.now())

wx.setStorageSync('logs', logs)// 登录

wx.login({

success: res => {

// 发送 res.code 到后台换取 openId, sessionKey, unionId

}

})// 获取用户信息

wx.getSetting({

success: res => {

if (res.authSetting['scope.userInfo']) {

// 已经授权，可以直接调用 getUserInfo 获取头像昵称，不会弹框

wx.getUserInfo({

success: res => {

// 可以将 res 发送给后台解码出 unionId

this.globalData.userInfo = res.userInfo

// 由于 getUserInfo 是网络请求，可能会在 Page.onLoad 之后才返回

// 所以此处加入 callback 以防止这种情况

if (this.userInfoReadyCallback) {

this.userInfoReadyCallback(res)

}

}

})

}

}

})

},

globalData: {

userInfo: null,

timer: require('/plugin/wxTimer.js')

}

})

**app.json //小程序导航部分**

{

"pages": [

"pages/index/index",

"pages/logs/logs",

"pages/setup/setup",

"pages/list/list",

"pages/feedback/feedback"

],

"window": {

"backgroundTextStyle": "light",

"navigationBarBackgroundColor": "#fff",

"navigationBarTitleText": "WeChat",

"navigationBarTextStyle": "black"

},

"tabBar": {

"position": "bottom",

"color": "#000",

"selectedColor": "#56abe4",

"borderStyle": "black",

"list": [

{

"pagePath": "pages/index/index",

"text": "我的",

"iconPath": "images/我的.png",

"selectedIconPath": "images/我的2.png"

},

{

"pagePath": "pages/setup/setup",

"text": "设置",

"iconPath": "images/setup.png",

"selectedIconPath": "images/setup2.png"

},

{

"pagePath": "pages/list/list",

"text": "排行榜",

"iconPath": "images/list.png",

"selectedIconPath": "images/list2.png"

}

]

},

"sitemapLocation": "sitemap.json"

}

## 设置模块

### 设定睡觉时间模块

JS：

Page({

data: {

time: "00:00",

remindtime: ["0", "1", "2", "3", "4", "5", "6", "7", "8", "9", "10"],

remindtimeIndex: 0,

},

feedback: function (e) {

wx.navigateTo({

url: '/pages/feedback/feedback',

})

},

bindTimeChange: function (e) {

this.setData({

time: e.detail.value

})

console.log('睡觉时间：', e.detail.value)

},

WXML：

<view class = "main">

<view class = "x" style="display:flex;flex-direction: row;">

<view class ="time">设定睡觉时间</view>

<picker mode="time" value="{{time}}" start="00:00" end="23:00" bindchange="bindTimeChange">

<view class = "time2">{{time}}</view></picker>

</view>

</view><!--第一栏-->

### 设定提醒时间模块

JS：

bindremindtimeChange: function (e) {

console.log('picker remindtime 发生选择改变，remindtimeIndex值为', e.detail.value);

this.setData({

remindtimeIndex: e.detail.value

})

},

});

WXML：

<view class ="main2">

<view class = "x" style="display:flex;flex-direction: row;">

<view class ="time">设定提醒时间</view>

<picker bindchange="bindremindtimeChange" value="{{remindtimeIndex}}" range="{{remindtime}}">

<view class="time2 ">{{remindtime[remindtimeIndex]}} 分</view>

</picker>

</view>

</view><!--第二栏-->

### 用户反馈模块

JS：

Page({

openAlert: function () {

wx.showModal({

content: '发送成功，谢谢您的反馈',

showCancel: false,

success: function (res) {

if (res.confirm) {

console.log('用户点击确定')

}

}

});

}

});

**Wxml：**

<view class="page">

<view class="weui-cells weui-cells\_after-title">

<view class="weui-cell">

<view class="weui-cell\_\_bd">

<textarea class="weui-textarea" placeholder="请输入文本" style="height: 10em" />

<view class="weui-textarea-counter">请控制在100字范围内</view>

</view>

</view>

</view>

<view class="page\_\_bd">

<view class="weui-btn-area">

<button class="weui-btn" type="default" bindtap="openAlert">确认</button>

</view>

</view>

</view>

## 3.睡眠小屋模块

### 查看小屋模块

house.js

暂无

house.json

{

"usingComponents": {},

"navigationBarTitleText": "你的小屋"

}

house.wxml

<view class='bt'>这是你现在的小屋</view>

### 拖动家具模块

暂无

## 我的模块

### 进入睡眠小屋模块

## index.js

timer = require('../../plugin/wxTimer.js')

Page({

/\*\*

\* 页面的初始数据

\*/

data: {

days: [

[0, 1, 1, 0, 0, 0, 0],

[1, 1, 0, 1, 1, 0, 1]

],

hours: [

[0, 1, 1, 0, 0, 0, 0],

[1, 1, 0, 1, 1, 0, 1]

],

minutes: [

[0, 1, 1, 0, 0, 0, 0],

[1, 1, 0, 1, 1, 0, 1]

],

seconds: [

[0, 1, 1, 0, 0, 0, 0],

[1, 1, 0, 1, 1, 0, 1]

],

Millisecond: [

[0, 1, 1, 0, 0, 0, 0],

[1, 1, 0, 1, 1, 0, 1]

],

//倒计时

countdown: function (e) {

var bol = this.data.boolean;

this.setData({

boolean: !bol

})

let that = this;

console.log(this.data.hour)

var date = new Date();

var days = date.getDate(),

hours = date.getHours(),

minutes = date.getMinutes(),

seconds = date.getSeconds();

console.log(hours);

this.timeDown();

console.log(this.data.changebutton)

},

timeDown: function (e) {

var that = this;

wxTimer.calibration();

wxTimer.start(that);

setTimeout(function () {

console.log(100)

}, 1000);

},

endsleep: function (e) {

var bol = this.data.boolean;

this.setData({

boolean: !bol

})

wxTimer.stop();

},

}

### Wxml：

<!-- <view class = 'imagesize'>

<image src='/images/timg.jpg' class='in-image'></image>

</view> -->

<view wx:if="{{boolean==true}}">

<view class = 'imagesize'>

<image src='/images/sleep.jpg' class='in-image'></image>

</view>

<!-- 小时 -->

<!-- <text class='zt' style='position:relative;top:80px'>小屋还需{{wxTimerHour2}}个小时建造成功</text> -->

<!--具体 -->

<text class='zt' style='position:relative;top:80px'>小屋还需{{wxTimer}}建造成功</text>

<view class="page">

<view class="button-start">

<button type="primary" bindtap='endsleep'>结束睡觉</button>

</view>

</view>

</view>

<view wx:elif="{{boolean==false}}">

<view class = 'imagesize'>

<image src='/images/timg.jpg' class='in-image'></image>

</view>

<text class='zt' style='position:relative;top:80px'>开始建造你的小屋吧！</text>

<view class="page">

<view class="button-start">

<button type="primary" bindtap='countdown'>开始睡觉</button>

</view>

</view>

</view>

### 背景音乐模块

JS：

mp3: 'https://mp3-1259289532.cos.ap-shanghai.myqcloud.com/%E7%BA%AF%E9%9F%B3%E4%B9%90%20-%20Canon%20(%E5%85%AB%E9%9F%B3%E7%9B%92%E7%89%88).mp3?q-sign-algorithm=sha1&q-ak=AKID4X1TxoOnA1iF3D3tNLbj30n404oQTaqU&q-sign-time=1558530477;1558532277&q-key-time=1558530477;1558532277&q-header-list=&q-url-param-list=&q-signature=24f807d1658599d13ab5cbca99c505623da615fd&x-cos-security-token=e1c09b2f53c9c3be4e1c9e38f196c56a230ece0310001',

// 背景音乐

bgm: false,

wxTimerList: {},

boolean: false

},

BGM: function (e) {

let that = this;

if (that.data.bgm) {

that.setData({

bgm: false,

})

innerAudioContext.pause(); /\*\* 暂停音乐 \*/

} else {

that.setData({

bgm: true,

bgmImgAni: "bgmImgAni"

})

// 播放音乐

innerAudioContext.autoplay = true

innerAudioContext.loop = true

innerAudioContext.src = that.data.mp3;

innerAudioContext.play()

}

},

<!-- 背景音乐 -->

<view class='bgmView' catchtap='BGM'>

<image wx:if='{{bgm}}' class='bgmImg {{bgmImgAni}}' src='/images/kaishi.png'></image>

<image wx:else class='bgmImg' src='/images/zanting.png'></image>

</view>

### 结束睡觉模块

JS：

//倒计时

countdown: function (e) {

var bol = this.data.boolean;

this.setData({

boolean: !bol

})

let that = this;

console.log(this.data.hour)

var date = new Date();

var days = date.getDate(),

hours = date.getHours(),

minutes = date.getMinutes(),

seconds = date.getSeconds();

console.log(hours);

this.timeDown();

console.log(this.data.changebutton)

},

timeDown: function (e) {

var that = this;

wxTimer.calibration();

wxTimer.start(that);

setTimeout(function () {

console.log(100)

}, 1000);

},

endsleep: function (e) {

var bol = this.data.boolean;

this.setData({

boolean: !bol

})

wxTimer.stop();

},

WXML：

<text class='zt' style='position:relative;top:80px'>小屋还需{{wxTimer}}建造成功</text>

<view class="page">

<view class="button-start">

<button type="primary" bindtap='endsleep'>结束睡觉</button>

</view>

</view>

### 显示时钟模块

onShow: function () {

var that = this;

var digitSegments = [

[1, 1, 1, 1, 1, 1, 0],

[0, 1, 1, 0, 0, 0, 0],

[1, 1, 0, 1, 1, 0, 1],

[1, 1, 1, 1, 0, 0, 1],

[0, 1, 1, 0, 0, 1, 1],

[1, 0, 1, 1, 0, 1, 1],

[1, 0, 1, 1, 1, 1, 1],

[1, 1, 1, 0, 0, 0, 0],

[1, 1, 1, 1, 1, 1, 1],

[1, 1, 1, 1, 0, 1, 1],

];

setInterval(function () {

// 时钟效果开始

var date = new Date();

var days = date.getDate(),

hours = date.getHours(),

minutes = date.getMinutes(),

seconds = date.getSeconds();

// 时钟效果结束

let \_days = [];

let \_hours = [];

let \_minutes = [];

let \_seconds = [];

let \_Millisecond = [];

\_days[0] = digitSegments[(Math.floor(days / 10))];

\_days[1] = digitSegments[(days % 10)];

\_hours[0] = digitSegments[(Math.floor(hours / 10))];

\_hours[1] = digitSegments[(hours % 10)];

\_minutes[0] = digitSegments[(Math.floor(minutes / 10))];

\_minutes[1] = digitSegments[(minutes % 10)];

\_seconds[0] = digitSegments[(Math.floor(seconds / 10))];

\_seconds[1] = digitSegments[(seconds % 10)];

// console.log(days, \_days);

// console.log(seconds, \_seconds);

that.setData({

days: \_days,

hours: \_hours,

minutes: \_minutes,

seconds: \_seconds,

});

}, 10)

},

显示时钟模块的WXML：

<view class='body'>

<view class="clock">

<view class="digit hours">

<block wx:for="{{[1, 2, 3, 4, 5, 6, 7]}}" wx:key="\*this" wx:if="item<=7">

<view class="segment {{hours[0][item-1]==1?'on':''}}" data-index='{{item}}'></view>

</block>

</view>

<view class="digit hours">

<block wx:for="{{[1, 2, 3, 4, 5, 6, 7]}}" wx:key="\*this" wx:if="item<=7">

<view class="segment {{hours[1][item-1]==1?'on':''}}" data-index='{{item}}'></view>

</block>

</view>

<view class="separator">时</view>

<view class="digit minutes">

<block wx:for="{{[1, 2, 3, 4, 5, 6, 7]}}" wx:key="\*this" wx:if="item<=7">

<view class="segment {{minutes[0][item-1]==1?'on':''}}" data-index='{{item}}'></view>

</block>

</view>

<view class="digit minutes">

<block wx:for="{{[1, 2, 3, 4, 5, 6, 7]}}" wx:key="\*this" wx:if="item<=7">

<view class="segment {{minutes[1][item-1]==1?'on':''}}" data-index='{{item}}'></view>

</block>

</view>

<view class="separator">分</view>

<view class="digit seconds">

<block wx:for="{{[1, 2, 3, 4, 5, 6, 7]}}" wx:key="\*this" wx:if="item<=7">

<view class="segment {{seconds[0][item-1]==1?'on':''}}" data-index='{{item}}'></view>

</block>

</view>

<view class="digit seconds">

<block wx:for="{{[1, 2, 3, 4, 5, 6, 7]}}" wx:key="\*this" wx:if="item<=7">

<view class="segment {{seconds[1][item-1]==1?'on':''}}" data-index='{{item}}'></view>

</block>

</view>

<block wx:for="{{[1, 2, 3, 4, 5, 6, 7]}}" wx:key="\*this" wx:if="item<=7">

<view class="segment {{Millisecond[0][item-1]==1?'on':''}}" data-index='{{item}}'></view>

</block>

</view>

</view>

## 睡眠圈模块

### 显示排行榜模块

JS：

const app = getApp()

Page({

data: {

info: [

{ id: 1, name: 'Kate', percent: '85%', heart: 5, like: false, },

{ id: 2, name: 'MOly', percent: '50%', heart: 3, like: false, },

{ id: 3, name: '大屏', percent: '45%', heart: 0, like: false, },

{ id: 4, name: '可信', percent: '15%', heart: 2, like: false, },

{ id: 5, name: '主席', percent: '15%', heart: 1, like: false, },

]

},

onLoad: function () {

},

WXML：

<scroll-view class="wrap">

<view class="title">睡眠圈排行榜</view>

<view class="list">

<view class="list-item" wx:for="{{info}}" wx:for-index="idx" wx:for-item="item" wx:key="idx">

<view class="left">

<text class="rank">{{idx + 1}}</text>

<text class="name">{{item.name}}</text>

</view>

<navigator url='/pages/setting/setting' class="btn-back">返回</navigator>

</scroll-view>

### 点赞模块

JS：

clickItem: function (e) {

const id = e.currentTarget.dataset.id

const \_info = this.data.info.map(item => {

if (item.id === id) {

item.like = !item.like;

if (item.like) { item.heart++ }

else { item.heart-- }

}

return item

})

console.log(\_info)

this.setData({ info: \_info })

}

})

WXML：

<view class="right">

<text class="percent">{{item.percent}}</text>

<text class="icon-{{item.like ? 'like' : 'unlike'}}" bindtap="clickItem" data-id="{{item.id}}">❤</text>

<text class="heart">{{item.heart}}</text>

</view>

</view>

</view>

# UI界面设计模块

## 设置模块

.setup{

background-color:#00cc99;

text-align: center;

font-size: 45rpx;

border-radius: 5px;

align-items: center;

}

.main{

padding-top:70px;

}

.main2{

padding-top:30px;

}

.main3{

margin:0rpx 100rpx;

}

.x{

background-color: #336666;

height: 1.3cm;

margin:0rpx 20rpx;

border-radius: 5px;

align-items: center;

}

.time{

color: white;

font-size: 40rpx;

padding-left: 10px;

}

.time2{

padding-left: 150px;

color: white;

}

.time3{

padding-left: 180px;

color: white;

}

.flex3{

flex-direction:row;

justify-content: center;

height: 1.5cm;

background-color:black;

}

.flex{

padding: 0 120px;

padding-top:45px;

}

.biaoti{

color:black;

}

.weui-label{

height: 50px;

color: white;

}

.weui-input{

color: white;

}

.remindtime{

color: white;

}

.picker{

color: white;

}

.page\_\_title{

height: 50px;

color: white;

}

.weui-flex{

-webkit-box-align:center;

-webkit-align-items:center;

align-items:center;

}

.weui-cells{

margin-top:0;opacity:0;

-webkit-transform:translateY(-50%);

transform:translateY(-50%);

-webkit-transition:.3s;

transition:.3s;

}

## 我的模块

.imagesize{

display:flex;

height: 200px;

justify-content: center;

position: relative;

top:70px;

}

.imagesize image {

width:400rpx;

height:400rpx;

}

/\* 背景音乐 \*/

.bgmView {

position: fixed;

top: 20rpx;

right: 20rpx;

z-index: 99;

}

.bgmImg {

width: 70rpx;

height: 70rpx;

}

.bgmImgAni {

animation: jumpball 4s infinite linear;

}

@keyframes jumpball {

100% {

transform: rotate(360deg);

}

}

.body {

margin:0;

padding:0;

width:100%;

height:100px;

position:absolute;

min-width:300rpx;

line-height: 100px;

}

page{

margin:0;

padding:0;

background-image: url(data:image/jpg;base64,

background-size: cover;

position:absolute;

min-width:300rpx;

}

.clock {

height:100rpx;

position:absolute;

top:25%;

left:50%;

width:100%;

transform: translate(-50%,-50%);

text-align:center;

}

.digit {

width:60rpx;

height:100rpx;

margin:0 2.5rpx;

position:relative;

display:inline-block;

}

.digit .segment {

background:#c00;

border-radius:5rpx;

position:absolute;

opacity:0.15;

transition:opacity 0s;

-webkit-transition:opacity 0s;

-ms-transition:opacity 0s;

-moz-transition:opacity 0s;

-o-transition:opacity 0s;

}

.digit .segment.on, .separator {

opacity:1;

box-shadow:0 0 50rpx rgba(255,0,0,0.7);

transition:opacity 0s;

-webkit-transition:opacity 0s;

-ms-transition:opacity 0s;

-moz-transition:opacity 0s;

-o-transition:opacity 0s;

}

.separator {

width:10rpx;

height:10rpx;

background:#c00;

border-radius:50%;

display:inline-block;

position:absolute;

top:50%;

transform: translate(-50%,-50%);

}

.digit .segment:nth-child(1) {

top:10rpx;

left:16rpx;

right:16rpx;

height:5rpx;

}

.digit .segment:nth-child(2) {

top:20rpx;

right:10rpx;

width:5rpx;

height:75rpx;

height:calc(50% - 25rpx);

}

.digit .segment:nth-child(3) {

bottom:20rpx;

right:10rpx;

width:5rpx;

height:75rpx;

height:calc(50% - 25rpx);

}

.digit .segment:nth-child(4) {

bottom:10rpx;

right:16rpx;

height:5rpx;

left:16rpx;

}

.digit .segment:nth-child(5) {

bottom:20rpx;

left:10rpx;

width:5rpx;

height:75rpx;

height:calc(50% - 25rpx);

}

.digit .segment:nth-child(6) {

top:20rpx;

left:10rpx;

width:5rpx;

height:75rpx;

height:calc(50% - 25rpx);

}

.digit .segment:nth-child(7) {

bottom:95rpx;

bottom:calc(50% - 2.5rpx);

right:16rpx;

left:16rpx;

height:5rpx;

}

.button-start{

margin: 0 auto;

padding-top: 150px;

width: 60%;

}

.zt{

color: white;

display: flex;

justify-content: center;

padding-top: 15px;

font-size: 20px;

}

## 睡眠小屋模块

暂无

## 睡眠圈模块

.title {

background-color: #009965;

text-align: center;

color: #fff;

font-size: 40rpx;

height: 80rpx;

line-height: 80rpx;

margin-bottom: 252rpx;

}

.list-item {

height: 70rpx;

line-height: 70rpx;

background: #fff;

padding: 0 40rpx;

margin-bottom: 30rpx;

font-size: 32rpx;

display: flex;

justify-content: space-between;

}

.rank {

margin-right: 40rpx;

}

.percent {

margin-right: 20rpx;

}

.heart {

margin-left: 10rpx;

}

.icon-like {

color: red;

}

text {

color: #000;

}

.btn-back {

font-size: 40rpx;

font-weight: bold;

line-height: 104rpx;

height: 104rpx;

width: 324rpx;

display: block;

text-align: center;

background-color: #999aff;

border-radius: 32rpx;

border: 2rpx solid grey;

margin: 110rpx auto;

}

view {

box-sizing:border-box;

}

.wrap {

box-sizing: border-box;

height: 100%;

padding-top: 76rpx;

padding-bottom: 104rpx;

background-repeat: no-repeat;

background-size: cover;

background-image: url：．．．．．．．

｝