Low-code Interactive Classroom

Interface Customization

Product Documentation

Contents

Interface Customization

Getting Started

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Note:

Before reading this section, ensure that you have completed the integration guide for Web and H5.

What Can Be Achieved Through Self Definition?

The user interfaces for iOS/Android/Electron classrooms are all implemented based on web pages. Therefore, Self Definition allows you to modify the interfaces on all ends and supplement the business logic according to your needs, as in the following scenarios:

1. Replacing Key Concepts Copy.
2. Blocking Irrelevant Business Features.
3. Modifying Interface Styles.
4. Adding Business Components.

Preparing the Development Environment

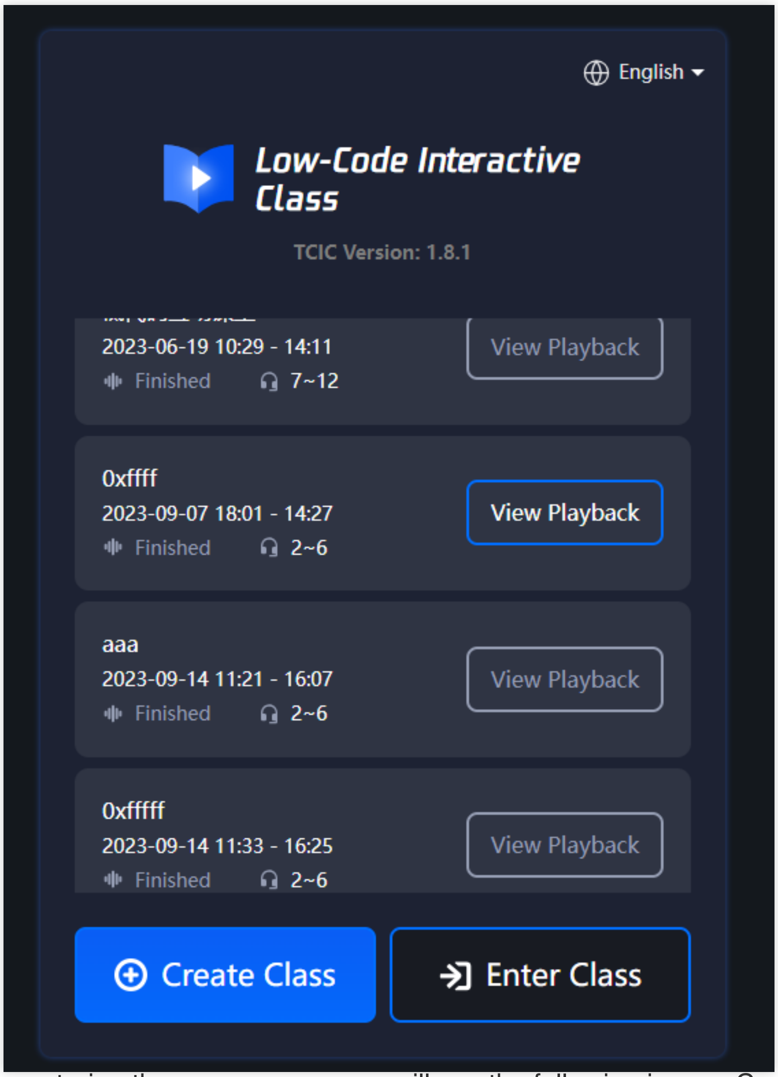
This article assumes that you have the following skills:

1. Setting up a Local Static Server.
2. Understanding the development and operation principles of js/css on the browser side.

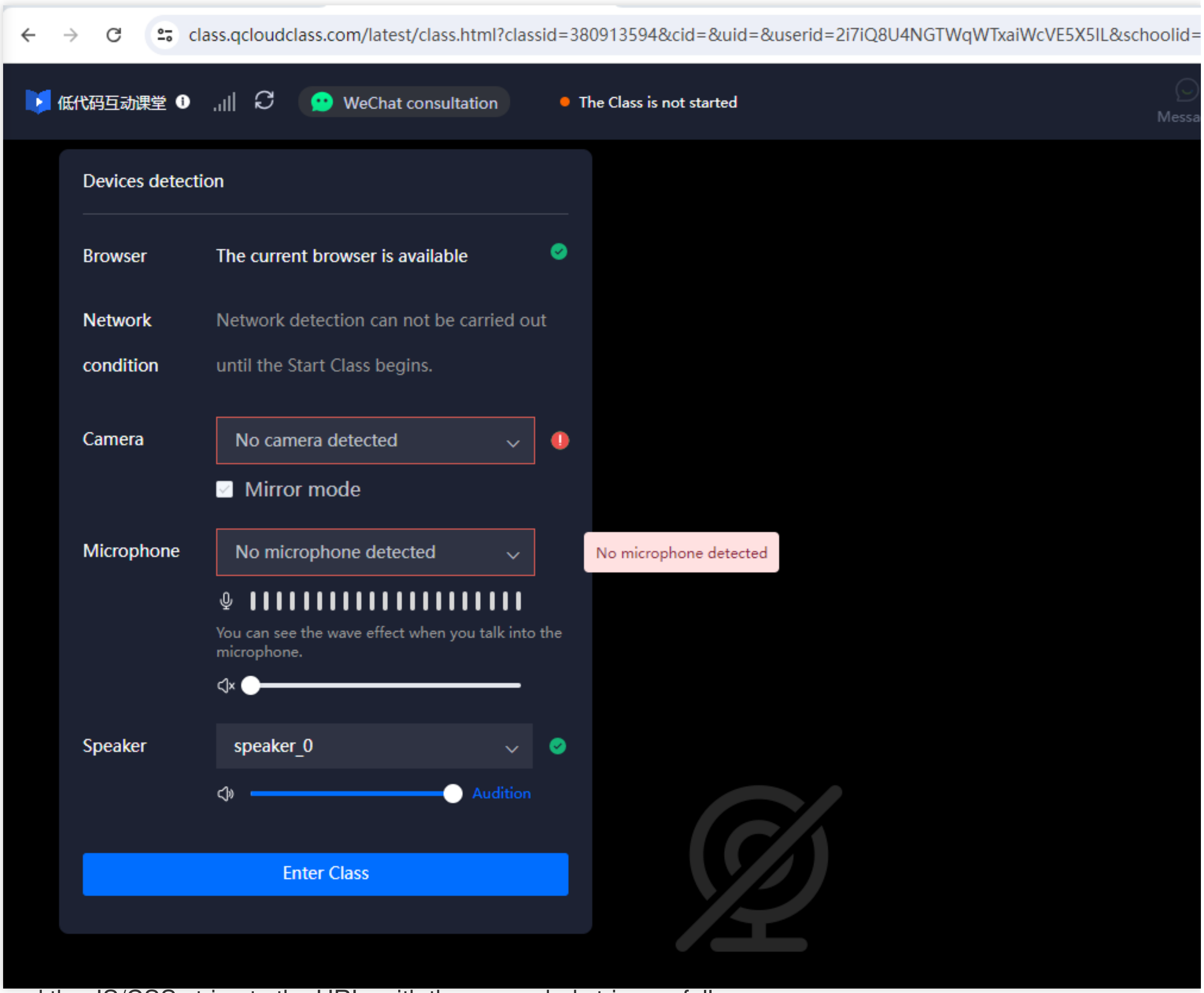
See Web and H5 Integration Guide, assuming that your local server is running on port 8080, and you have created files test.js, test.css in the root directory.

Preparing the Test Classroom

1. Click on the Login page of the classroom demonstration, select **Create Class**, and then click **Enter Class**. You will be redirected to the course page.



2. Upon entering the course page, you will see the following image. Copy the URL of the course page.


class.qcloudclass.com/latest/class.html?classid=380913594&cid=&uid=&userid=2i7iQ8U4NGTWqWTxaiWcVE5X5IL&schoolid=

低代码互动课堂 WeChat consultation The Class is not started

Devices detection

Browser: The current browser is available

Network condition: Network detection can not be carried out until the Start Class begins.

Camera: No camera detected

Mirror mode

Microphone: No microphone detected

No microphone detected

You can see the wave effect when you talk into the microphone.

Speaker: speaker_0

Audition

Enter Class

3. Append the JS/CSS string to the URL, with the appended string as follows.

```
debugjs=http://localhost:8080/test.js&debugcss=http://localhost:8080/test.css
```

4. Paste the modified URL back into the browser, open the browser's console, and check the network requests. If localhost appears.

Event Listening

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The function of event listening:

In actual business requirements, you may need to combine with the business when a specific event occurs, for example:

When the class officially starts, do some reporting to the business background.

When a member joins a room, a pop-up window is shown to the member.

Event List (TCIC.TMainEvent)

Event	Event	Remark
After_Enter	Joined room	-
Modify_Class	Room information has been changed	-
Leave_Class	Leaving the room	-
Kick_Out_By_Teacher	Kicked out of the room	-
Kick_Out_By_Another	Kicked out of the room after multi-terminal login	-
Kick_Out_By_Expire	Kicked out of the room due to expired signature	-
Member_Join	Members join the room	-
Member_Exit	Members leave the room	-
Member_Info_Update	Member information update	-
Member_Hand_Up	Members raise hands	-
Member_Hand_Up_Cancel	Members withdraw hand raising	-
Question_Valid	There are available answers	-
Question_Begin	Answering started	-
Question_End	Answering ended	-
Question_Abandon	Answering terminated	-
Question_Close	Answering closed	-

Question_Been_Answered	A student is answering	-
App_Resized	Application size changes	-
Error	An error occurred (affecting the main process)	-
Recv_IM_Msgs	Received an IM message	-
Recv_Custom_IM_Msg	Received a custom IM message	-

Sample:

```
function afterEnter() => {
  console.debug('You have joined this room');
}

// Listen
TCIC.SDK.instance.on(TCIC.TMainEvent.After_Enter, afterEnter);

// Cancel listening
TCIC.SDK.instance.off(TCIC.TMainEvent.After_Enter, afterEnter);
```

Status list (TCIC.TMainState)

Event	Event	Remark
Class_Info_Ready	Classroom information has been loaded	-
Joined_Class	Already joined the classroom	-
Sub_Camera	Auxiliary camera status	0: Start 2: End
Screen_Share	Screen sharing status	0: Sharing 1: Pausing 2: Not started/Ended
Video_Publish	Whether local video push is enabled	-
Audio_Capture	Whether local audio collection is enabled	-
Class_Duration	Classroom duration	Unit: second. < 0: Time until class starts 0: Class not started at the class time|Class ended|Class expired > 0: In class
Member_Count	Number of class members	-
Board_Permission	Permission to whiteboard operations	-
Chat_Permission	Permission to text chat	-
Screen_Share_Permission	Screen sharing permissions	-
Hand_Up	Hand raising	-

	status	
Mute_All	All-member mute status	-
Mute_Video_All	All-member video status	-
Silence_All	All-member silent status	-
Message_Unread_Count	Unread Messages	-
HandUp_Count	Number of people raising hands	-

```
// PromiseState can ensure that it will be executed immediately when the current st
TCIC.SDK.instance.promiseState(TCIC.TMainState.Joined_Class, true).then( () => {
  console.debug('You have joined this room');
});


function listener() {
    console.debug('You have joined this room');
}
// Listen
TCIC.SDK.instance.subscribeState(TCIC.TMainState.Joined_Class, listener);
```

```
// Cancel listening
TCIC.SDK.instance.unsubscribeState(TCIC.TMainState.Joined_Class, listener);
```