



## **Inbenta Developer Challenge**

### **Chatbot Technical Challenge**

*Proof of Completion by © Vincent Seres*

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## 1 Content Creation

PoC - Screenshot of the content as seen from the Chatbot user interface “se\_1.png”

★ Inbenta Developer Challenge Helper

★ Do it for me

Folders

4

Default > VSE > Helpers

Status: Active

Confirmation question

Are you talking about Chatbot Technical Challenge ?

Answer

I can help you by sending some documents that I'm writing to carry out this test.


You can write **/help all** or type a specific topic :

1. /help contentCreation
2. /help interface
3. /help AIML
4. /help configureWithBackend
5. /help hostingChatbot
6. /help css
7. /help configureWithJS
8. /help customJS
9. /help formContent

Sidebubble

I'm currently working on it, so maybe documents will not contain all information you need. Don't hesitate to come back later.

Sandbox




Hello, my friend. Stay awhile and listen...I'm Flat Eric, Vincent's assistant. What can I do for you?

13:34

You

Inbenta Developer Challenge Helper

13:34



I can help you by sending some documents that I'm writing to carry out this test.

You can write **/help all** or type a specific topic :

1. /help contentCreation
2. /help interface

Type your text here

Inbenta Developer Challenge Helper

I'm currently working on it, so maybe documents will not contain all information you need. Don't hesitate to come back later.

## 2 Generate interface with the default Configuration

PoC - Same screenshot as (1.-)

Public URL (shared from Inbenta platform):

<https://shared-apps.inbenta.com/shared-applications/fa16224fcc7011680ef8909be5101cb453a58003b19ad2b1d5fbede4229f1ebc/d4735e3a265e16eee03f59718b9b5d03019c07d8b6c51f90da3a666eec13ab35>

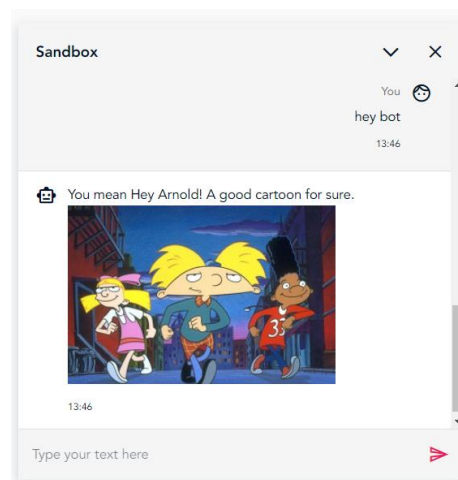


## 3 AIML (pattern-based responses) Edition

PoC - Screenshot of the AIML response as seen from the Chatbot user interface  
"se\_3.png"

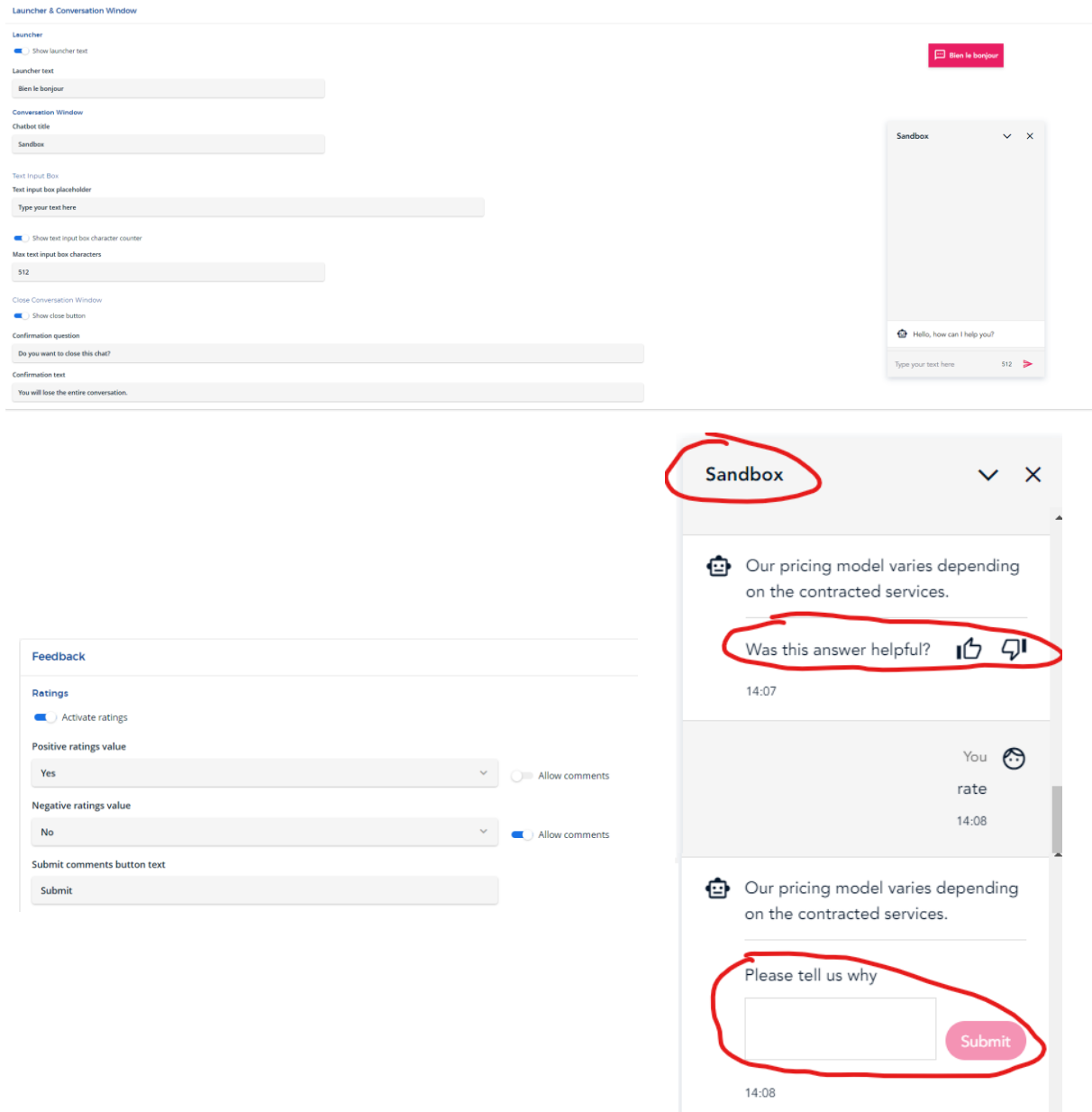
Here some AIML generated for this test:

- [heybot\\_en.aiml](#)
- [diabloQuest\\_en.aiml](#)



## 4 Configure the Chatbot SDK

PoC - Screenshot that shows both the title and the ratings as seen from the Chatbot user interface "se\_4.png"



## 5 Hosting your Chatbot demo

PoC - HTML file "se\_5.html"

HTML file available here (with solution for chapter 5, 6, 7, 8 and 9):

[https://rawcdn.githack.com/oizo1987/Inbenta/main/Chatbot%20Technical%20Challenge/www/chatbot\\_APIFullClient/index.html?token=GHSAT0AAAAACF2ZIGBV4I5WOCOGWNORGN6ZGKYSQA](https://rawcdn.githack.com/oizo1987/Inbenta/main/Chatbot%20Technical%20Challenge/www/chatbot_APIFullClient/index.html?token=GHSAT0AAAAACF2ZIGBV4I5WOCOGWNORGN6ZGKYSQA)

Public URL of hosted html with chatbot integration:

<https://oizochat.tiiny.site/>

## 6 Dong it in Style

PoC - HTML file with the custom CSS. "se\_6.html"

Done. See link chapter 5.

Add the CSS import in html: `<link rel="stylesheet" type="text/css" href="assets\styles\style.css">`

I maintained skin enabled and overwrited some attributes.

```

.inbenta-bot .ui-draggable,.inbenta-bot .ui-not-draggable {
    /*VSS set relative position but draggable centered width, % heigh*/
    position: fixed!important;
    top: 25%!important;
    right: !important;
    bottom: !important;
    left: 50%!important;
    z-index: 999999
}

.inbenta-bot_bubble,.inbenta-bot_chat {
    /*VSS chatbot frame with 100%, height fixed */
    background-color: #f6f6f6;
    width: 100% !important;
    height: 8px;
    box-shadow: 0 2px 3px 0 rgba(0,0,0,.16),0 3px 12px 0 rgba(0,0,0,.08);
    border-radius: 4px;
    border: 0 solid transparent
}

.inbenta-bot_bubble_header,.inbenta-bot_chat_header {
    /*VSS change head chatbot style */
    background-color: midnightblue !important;
    color: #fff;
    padding: 8px 16px;
    box-shadow: 0 2px 3px 0 rgba(0,0,0,.16),0 3px 12px 0 rgba(0,0,0,.08);
    line-height: 30px !important;
}

.inbenta-bot--msie-11 .inbenta-bot_bubble .body_inbenta-alert_alert-box .alert-box_title,.inbenta-bot--msie-11 .inbenta-bot_chat .body_inbenta-alert_alert-box .alert-box_title {
    /*VSS set alert box bg to orange/red */
    color: #c8492d !important;
}

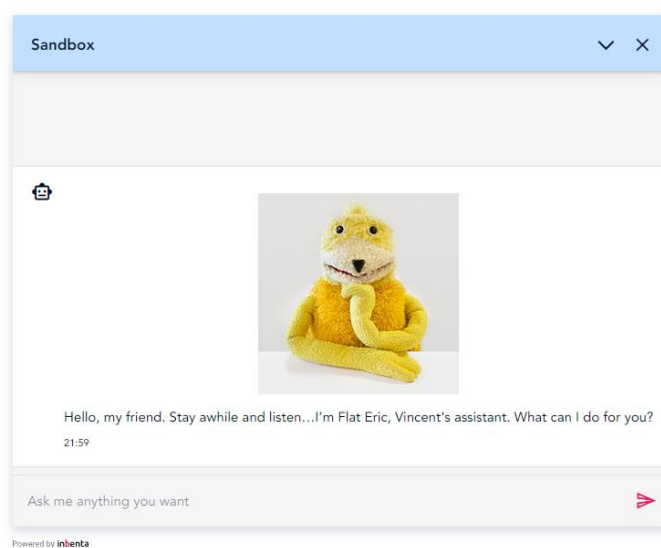
.inbenta-bot_bubble .messages_message--received .messages_message_avatar,.inbenta-bot_chat .messages_message--received .messages_message_avatar {
    /*VSS Remove hcatbot text frame icon */
}

.inbenta-bot_powered {
    display: -ms-flexbox;
    display: -webkit-flex;
    display: flex;
    -ms-flex-pack: flex-end;
    -webkit-justify-content: flex-end;
    -ms-justify-content: flex-end;
    justify-content: flex-start !important;
    align-content: flex-end;
}
    
```

You can also disable skin and create your own skin:

```

/*skin: false,*/
skin: "teth-sunrise",
    
```



## 7 Modify the SDK JS configuration

PoC - HTML file with the custom JS. "se\_7.html"

Add to **config** parameter to function

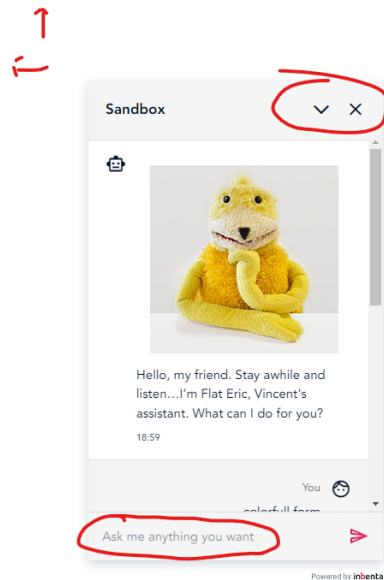
InbentaChatbotSDK.buildWithDomainCredentials(authorization,**config**) with this variable - example-:

```
closeButton: {
  visible: true
}

labels: {
  en: {
    'enter-question': 'Ask me anything you want'
  }
}

conversationWindow: {
  draggable: false,
  position: {
    top: 100,
    left: 100,
    bottom: null,
    right: null,
  },
}
```

*\*Position is overwritten by CSS.*





## 8 Implement a JavaScript customization

PoC - HTML file with the custom JS. "se\_8.html"

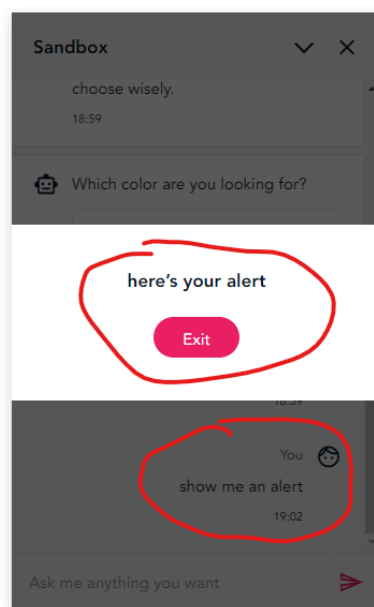
Add adapters to **config** parameter

```
adapters: [
  showSystemMessageConversation(),
]
```

Then import JS (best solution) or add raw code into yhe html:

```
function showSystemMessageConversation () {
  return function(chatBot) {
    chatBot.subscriptions.onSendMessage(function(messageData, next) {
      if (messageData.message == "show me an alert") {
        alertMessage = {
          message: 'here's your alert',
          modal:true,
          id:"showSystemMessageConversation",
          options: [
            {label: 'Exit',value:'exit'}
          ]
        }

        chatBot.actions.displaySystemMessage(alertMessage);
        return
      } else {
        return next(messageData);
      }
    });
  }
}
```



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## 9 Create a "form" content

PoC - HTML file with the JS callback. "se\_9.html"

### Configure variable

**General**

Name \*  
color

Description \*  
color variable for Inbenta Developer Challenge

Data type  
String

Default value  
Type text

Obscure  
None

Allow multiple

**Domain**

Detection Scope  
Within intent

Domain Type  
List

Use synonyms

White, Yellow, Blue, Red, Green, Black, Brown, Azure, Ivory, Teal, Silver, Purple, Navy blue, Pea green, Gray, Orange, Maroon, Charcoal, Aquamarine, Coral, Fuchsia, Wheat, Lime, Crimson, Khaki, Hot pink, Magenta, Olden, Plum, Olive, Cyan

Error message \*  
This is not a color

### Configure intent

**Intent Attributes**

Titles  
A Colorful form

Folders  
Default > VSE

Status: Active

Answer  
I'll send you a list of color. Please choose wisely

**Extended Intent Attributes**

Consider for most viewed results

Rating: Auto (Chatbot's own logic)

Post-response behavior: No additional behavior

**Information Requests & Transactions**

Data fields

Prompt	Variable	Value detected behavior
Which color are you looking for?	color	Always ask

### Code subscription and action:

```
adapters: [
  showSystemMessageConversation(),
  googleSearchURL_image(),
]

function googleSearchURL_image() {
  return function(chatBot) {
    chatBot.subscriptions.onDisplayChatbotMessage(function(messageData, next) // generate google search URL
    {
      chatBot.api.getVariables().then(function(data) // get variables
      {
        var color = data.data.color.value;
        if (color != null) {
          chatBot.api.resetVariables(['color'])
          color = null;
        }
        var url = "<a href='https://www.google.com/search?q=" + data.data.color.value + "&source=innsthem=isch' target='_blank'>Google Search for " + data.data.color.value + " color</a>";
        var SideWindow = {
          sideWindowContent: "<p>take a look on this URL : " + url + "</p>",
          sideWindowTitle: "Google search color",
        }
        chatBot.actions.showSideWindow(SideWindow);
      }
      return;
    });
    return next(messageData);
  };
}
```

Result :

Sandbox

You

a colorfull form

21:52

I'll send you a list of color. Please choose wisely.

21:52

Which color are you looking for?

▼

21:52

You

Silver

Ask me anything you want

➤

Google search color

take a look on this URL : [Google Search for Silver color](#)

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