

# Sendbird Solutions Take-home Exercise: JavaScript SDK v2


## Instructions

1. Go to [Sendbird Docs site](#) and select [Chat] - [Learn more] - [JavaScript].

### Sendbird Documentation


Learn how to integrate Sendbird Chat, Calls and Desk across multiple OSs and platforms. Our step-by-step guides will make the integration easy and quick.

Products






**Chat**


Allows you to build an in-app chat with all the features that are essential for a modern messaging experience based on Sendbird's Chat Platform API.

[Learn more](#) →

**Sample apps**


Demonstrates core features of Chat SDK providing up-to-date messaging experiences.




**Calls**


Builds real-time voice and video calls with the Sendbird Calls Voice and Video API within your apps. Essential features such as cross-platform support and integrated user ID with Chat are available to provide greater engagement experience with your customers.

[Learn more](#) →

**Sample apps**


Demonstrates core features of Calls SDK providing quality in-app voice and video calls.


  

**Desk**

Provides in-app, live-chat support based on Sendbird Chat without interrupting any customers' experience. A seamless ticket routing system and easy-to-use dashboard enables productive workflows, strengthening customer engagement.


[Learn more](#) →

**Sample apps**


**UIKit**

Enables an easy and agile UI customization of your in-app chat while supporting most of the core Chat SDK features as well.

[Learn more](#) →

**Sample apps**

2. Please carefully go through the “About Chat SDK” section on the page.
3. Follow [Install and configure the Chat SDK](#) to prepare two steps on your [dashboard](#).

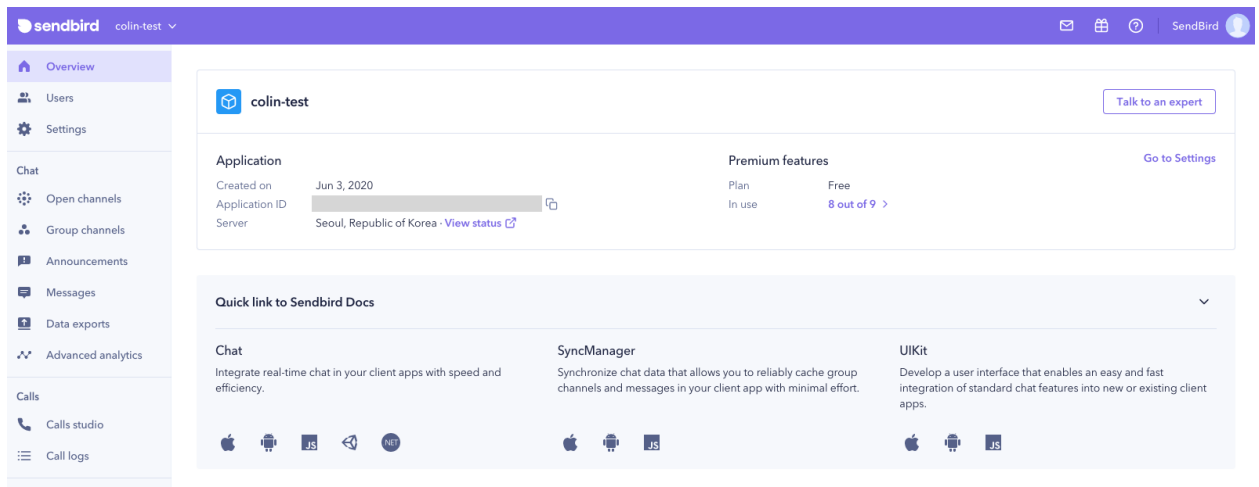
 **sendbird** Select application ▼ 📧 🎁 ⓘ | SendBird 👤

**Applications**  
This organization can have up to 1000 applications and currently has 80 applications.

[Create +](#)

4. While your account is being initialized, download the [Sendbird UIKit Sample](#). You need to carefully read the Readme file on how to set dependencies, build, test, and run it.
  - To be more familiar with UIKit, please take [the UIKit Webinar](#) video and look at the [Sendbird UIKit for JavaScript](#).

- Go back to your [dashboard](#) and check the given Application ID on the [Overview] page, and apply that Application ID value to the sample and be ready to build/run the sample.



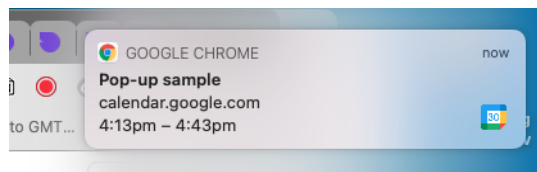
## Requirements

### 1. Profanity filter

- Read the [Profanity Filter](#) feature on our Document site to understand properly.
- Go to the [dashboard](#), select the application you created. And then select [Settings] - [Profanity filter] and configure your own three profanity words to be triggered.
- Select [Settings] - [Webhooks] and enable the Webhook for your Sendbird application. Make sure to enable the **profanity\_filter:replace** event.
- Send a message including a word registered on the Profanity filter and display the message received by webhook. Please make sure the message is replaced with asterisks (\*).

### 2. Browser notification

- Once you receive the message filtered by profanity filter, implement a browser notification as below.



- *Hint:* Use notification API in a browser (<https://developer.mozilla.org/en-US/docs/Web/API/notification>) to show notification messages when the app receives a message on a certain channel.

Please submit your implementation into your Github repository and take a video recording of how your application works for the above two features. Please let us know the Github repository and send us your video.