

PROJECT DEVELOPMENT PHASE

DELIVERY OF SPRINT-4

Date	19 NOVEMBER 2022
TEAM ID	PNT2022TMID00863
PROJECT NAME	INVENTORY MANAGEMENT SYSTEM FOR RETAILERS

SPRINT 4 FUNCTIONAL REQUIREMENTS

- SEND GRID
- CHAT BOT

SEND GRID: STEP 1: LOGIN TO YOUR SENDGRID ACCOUNT

The screenshot shows the SendGrid dashboard for user Arunkumar Manik. The browser's address bar shows 'app.sendgrid.com'. The dashboard includes a sidebar with navigation links: Dashboard, Email API, Marketing, Design Library, Stats, Activity, Suppressions, and Settings. The main content area features a large banner asking the user to 'Ready to unlock the full potential of Twilio SendGrid?' with a 'Let's do it!' button. Below this, a greeting 'Hello Arunkumar! Here's your recent email activity.' is followed by a table of email activity metrics. The table has columns for REQUESTS, DELIVERED, OPENED, CLICKED, BOUNCES, and SPAM REPORTS, with corresponding values and percentages. A 'Wk' button is visible next to the greeting.

WhatsApp | Meet - cuz-tth | ibm cloud - Yahoo | Service Details - IB | IBM Db2 on Cloud | SendGrid

app.sendgrid.com

Arunkumar Manik

Dashboard

Email API

Marketing

Design Library

Stats

Activity

Suppressions

Settings

Ready to unlock the full potential of Twilio SendGrid?

Finish your account setup in order to select a paid Email API or Marketing Campaigns plan.

Let's do it!

Hello Arunkumar! Here's your recent email activity.

Wk Mo

REQUESTS	DELIVERED	OPENED	CLICKED	BOUNCES	SPAM REPORTS
9	100.00% 9	0.00% 0	0.00% 0	0.00% 0	0.00% 0

STEP 2: CLICK GET STARTED IN THAT FILL THE SENDER(ADMIN) DETAILS.

The screenshot shows the SendGrid app interface in a web browser. The browser's address bar displays 'app.sendgrid.com'. The dashboard features a 'VIEW ACCOUNT USAGE' link on the left. The main content area includes a line chart for account usage, which is currently empty. Below the chart are three sections: 'Admin User Details', 'Unsubscribe Groups', and 'Help Links'. The 'Admin User Details' section shows the username 'm.arunkumarmar12@gmail.com' and the email address 'm.arunkumarmar12@gmail.com'. The 'Unsubscribe Groups' section provides information about using unsubscribe groups to give recipients control over the types of emails they want to receive. The 'Help Links' section includes links to the 'Setup Guide' and 'Support'. A green line points from the 'Unsubscribe Groups' section to the browser's address bar.

VIEW ACCOUNT USAGE

4
2
0

12 13 14 15 16 17 18

Admin User Details

USERNAME
m.arunkumarmar12@gmail.com

EMAIL ADDRESS
m.arunkumarmar12@gmail.com

ACCOUNT IP ADDRESS

Unsubscribe Groups

Use [unsubscribe groups](#) to give your recipients control over the types of emails they want to receive.

Allowing recipients to select from groups of emails they want to receive and opt out from others helps to increase recipient engagement, decrease spam reports, and improve sender reputation.

[Create Your Groups](#)

Help Links

[Setup Guide](#)

[Support](#)

STEP 3: GO TO SETTINGS AND CLICK API KEY AND CREATE AN API NAME AND COPY IT.

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app.sendgrid.com/settings/api_keys

Finish your account setup in order to select a paid plan and unlock the full potential of Twilio SendGrid. [Let's do it!](#)

API Keys [Create API Key](#)

NAME	API KEY	ACTION
arun API Key ID: Obu-XaKdSsmAfnQh6c772Q	▾

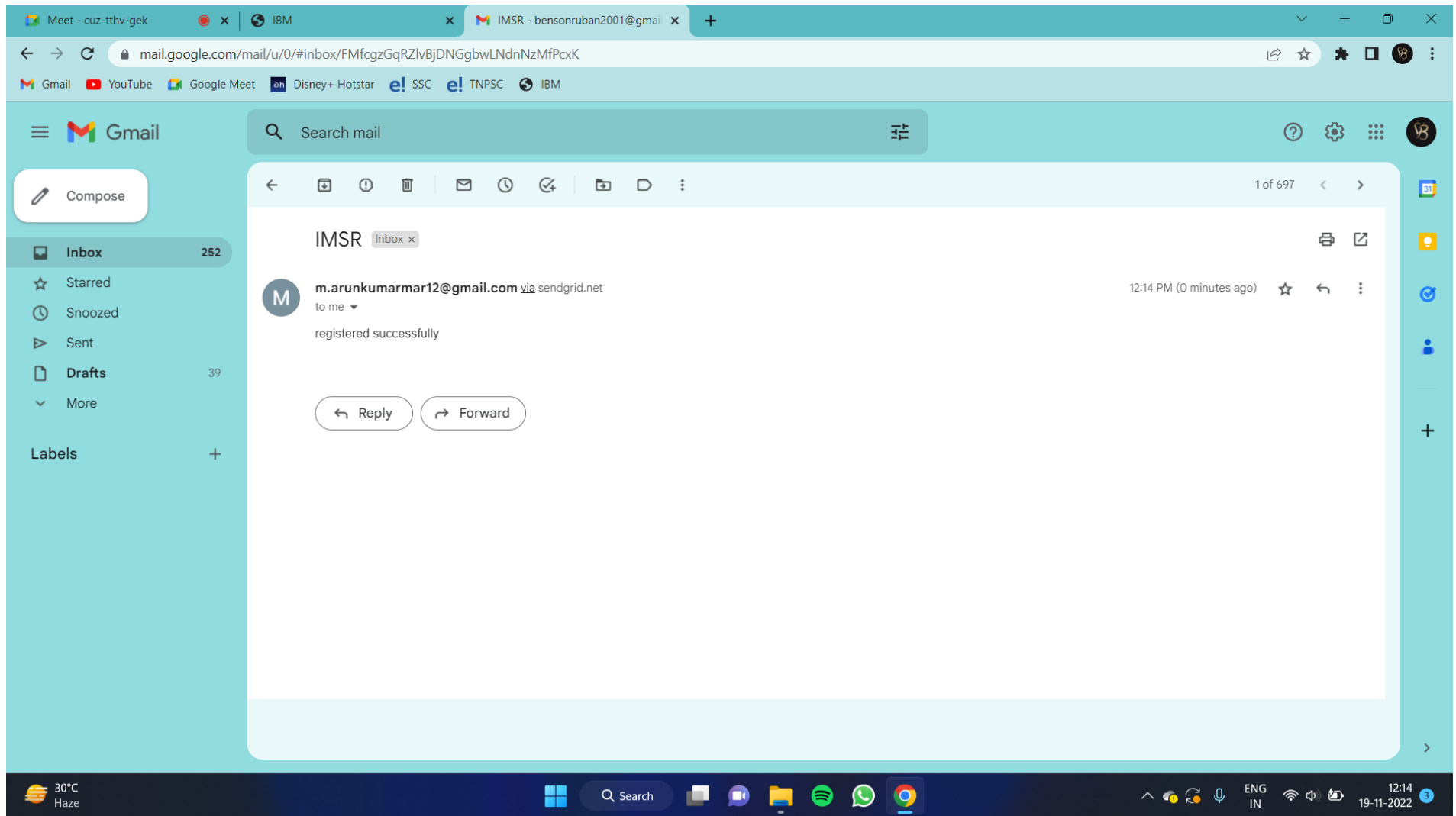
STEP 4: DEPLOY THE CODE IN THE PROJECT.

```
def send_email(email,amount):
    from_email = Email('m.arunkumarmar12@gmail.com')
    to_email = To(email)
    subject = 'IMSR'
    content = Content("text/plain", f"registered sucessfully".format(balance=amount))
    mail = Mail(from_email, to_email, subject, content)

    try:
        sg = SendGridAPIClient('SG.Obu-XaKdSsmAfnQh6c772Q.2XPa1lUppzUqF9gd-_k8f0--aSf18KswNKPpy9C4GQxA')
        response = sg.send(mail)
        print(response.status_code)
        print(response.body)
        print(response.headers)
    except Exception as e:
        print(e)

def check_balance(amount):
    send_email(session['response'],amount)
```

STEP 5: CHECK THE MAIL ID TO SEE THE MAIL.



CHAT BOT:

STEP 1: LOGIN TO WATSON ASSISTANT AND CREATE A CHAT BOT WITH THE REQUIRED ACTIONS.

The screenshot displays the IBM Watson Assistant web interface. The browser's address bar shows the URL: `au-syd.assistant.watson.cloud.ibm.com/crn%3Av1%3Abluemix%3Apublic%3Aconversation%3Aau-syd%3Aa%2Fbb050649dc7041bf8c0f0e8978cb9ff5%3Aa99d984c...`. The page header includes 'IBM Watson Assistant Lite', 'Upgrade', 'Inventory Bot', and a 'Learning center' link. The main content area is titled 'Actions' and features a sidebar with the following sections: 'Actions' (selected), 'Created by you', 'Set by assistant', 'Variables', 'Created by you', 'Set by assistant', 'Set by integration', and 'Saved responses'. The central panel displays the heading 'Create your first action' with the text 'With actions, you can help your customers accomplish their goals.' and a prominent blue 'Create action' button. To the right, there is a 3D graphic of a purple cube with several blue speech bubbles floating around it. At the bottom right of the main area is a 'Preview' button. The Windows taskbar at the bottom shows the search bar, several application icons, and the system clock indicating 12:46 on 19-11-2022.

STEP 2: GOTO ENVIRONMENTS AND THEN CLICK WEB CHAT THEN GOTO EMBED GET THE SCRIPT TO DEPLOY IN THE PROJECT.

The screenshot shows a web browser window with multiple tabs. The active tab is 'IBM Watson Assistant'. The address bar shows the URL: `au-syd.assistant.watson.cloud.ibm.com/crn%3Av1%3Abluemix%3Apublic%3Aconversation%3Aau-syd%3Aa%2Fbb050649dc7041bf8c0f0e8978cb9ff5%3Aa99d984c...`. The page header includes 'IBM Watson Assistant Lite', 'Upgrade', 'Inventory Bot', and 'Learning center'. The main content area is titled 'Web chat' with a 'Draft' status. Below this is a navigation bar with tabs: 'Style', 'Launcher', 'Home screen', 'Live agent', 'Suggestions', 'Security', 'Embed' (selected), and 'Resource'. The 'Embed' tab displays the heading '</> Embed on your website' and the text 'Ready to launch? It's as easy as copy and paste. [Learn more](#)'. A code block contains the following JavaScript script:

```
<script>
window.watsonAssistantChatOptions = {
  integrationID: "2b29d130-d9fa-4f5f-b91a-63c2da346030", // The ID of this integration.
  region: "au-syd", // The region your integration is hosted in.
  serviceInstanceID: "a99d984c-60f0-4f6b-b9c7-f3cfd298caa8", // The ID of your service instance.
  onLoad: function(instance) { instance.render(); }
};
setTimeout(function(){
  const t=document.createElement('script');
  t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" + (window.watsonAssistantChatOptions ? window.watsonAssistantChatOptions.integrationID : undefined);
  document.head.appendChild(t);
});
</script>
```

Below the code block is a 'Show more' link. The bottom of the screen shows a Windows taskbar with various application icons and a system tray displaying the date and time: 12:47, 19-11-2022.

STEP 3: PASTE THE SCRIPT INSIDE THE HEAD TAG AND THEN RUN THE PROJECT.

