Dance Studio Code Generator Website Creation Document

EXPECTED WORKFLOW TO CREATE A WEBSITE USING CODE-GENERATOR			
User	**Workflow**	**Naming Convention**	**Platform**
Sales	Fill the web development form	Complete the form as per the requirement and institution type	AWSAIAPP
Operation	S3 bucket creation	Naming convention same as the subdomain name	AWS
Operation	CloudFront setup	Naming convention same as the subdomain name	AWS
Operation	Hosted Zone configuration	Naming convention same as the subdomain name	AWS
Operation	SSL Certificate issuance	Naming convention same as the subdomain name	AWS
Operation	Branch creation	Naming convention same as the institution name	GitHub
Operation	Modify data.js	Update institution name, S3, and CloudFront details	GitHub
Operation	Update deliverable status and add the link	Naming convention same as the subdomain name	AWSAIAPP
Sales	Verify the link and deliver	Ensure the link is functional and deliver to the client	AWSAIAPP

Institution Type	**Sub-domain formatting**	**Example**
Dance Studio	<institution_name>.happyprancer.com	iconic.happyprancer.com
Dentist	<institution_name>.awsaiapp.com	nsg.awsaiapp.com
Cafe	<institution_name>.awsaiapp.com	tct.awsaiapp.com

Table of Contents

Overview

This document outlines the workflow, naming conventions, user roles, and responsibilities for creating a dance studio website using the code-generator system.

Workflow

1. Sales Phase

User Type: Sales Engineer

- Task: Fill the web development form of the AWSAIAPP.
- Details: Complete the form based on the institution type and requirements.
- Platform: AWSAIAPP.

Web Dev Form Filling -
1. **Select the type of institution to dance studio and click on Create New Institution**

2. **Start filling up the web dev form**
3. **Company Info -**

Here are the fields:

1. **Company Name**
   ○ Input: Text Field
2. **Choose Your Theme Color**
   ○ Input: Color Picker
3. **Select Institution Format**
   ○ Options:
      ■ Online Classes
4. **Logo Upload File**
   ○ Input: File Upload
   ○ Placeholder: "No file chosen"
   ○ Note: "It's the logo of the company"

After filling up the company info click on **NEXT**

4. Contact Info

Here are the fields for the Contact Information section:

1. Address
   - Input: Text Field
2. Owner Name
   - Input: Text Field
3. Phone Number
   - Input:
     - Dropdown for country code: India (+91)
     - Text Field for phone number
4. Email
   - Input: Email Field
5. UPI ID
   - Input: Text Field
6. Instagram
   - Input: Text Field (URL)
7. YouTube
   - Input: Text Field (URL)
8. Facebook
   - Input: Text Field (URL)
9. Subscription Background
   - Input: File Upload
10. Instructor Background
    - Input: File Upload

After filling up the contact info click on **NEXT**

5. Home Section

Here are the fields for the Home Section:

1. Enter Short Description Tagline
   - Input: Text Field
   - Character Limit: 0/40
2. Enter Short Description Tagline1
   - Input: Text Field
   - Character Limit: 0/60
3. Upload Your Media
   - Input: File Upload

After filling up the home section click on **NEXT**

6. Service Highlight

Here are the fields for the Service Highlight section:

1. Services Background
   - Input: File Upload
2. Services Portrait
   - Input: File Upload
3. Service 1
   - Service Title: Text Field
   - Service Items:
     - Input: Text Field (allows multiple items)
     - Button: "Add Item"
4. Service 2
   - Service Title: Text Field
   - Service Items:
     - Input: Text Field (allows multiple items)
     - Button: "Add Item"
5. Service 3
   - Service Title: Text Field
   - Button: "Add Item"
6. Service 4
   - Service Title: Text Field
   - Service Items:
     - Input: Text Field (allows multiple items)
     - Button: "Add Item"
7. Dance Type 1
   - Dance Type: Text Field
8. Dance Type 2
   - Dance Type: Text Field
9. Dance Type 3
   - Dance Type: Text Field
10. Dance Type 4
    - Dance Type: Text Field
    - Button: "Add Dance Type"

SERVICE HIGHLIGHT

Effectively highlight your services by showcasing their unique benefits and value propositions. Make it clear how each service meets your audience's needs and stands out from the competition.

Services Bg   Choose File

Services Protrait   Choose File

Service 1 *

Service Title

Service Item

Add Item

Service 2 *

Service Title

Service Item

Add Item

Service 3 *

Service Title

Add Item

Service 4 *

Service Title

Service Item

Add Item

Dance Type 1 *

Service Title

Add Item

Service 4 *

Service Title

Service Item

Add Item

Dance Type 1 *

Dance Type

Dance Type 2 *

Dance Type

Dance Type 3 *

Dance Type

Dance Type 4 *

Dance Type

Add Dance Type

After filling up the Service Highlight click on **NEXT**

7. Testimonial Section -

Here are the fields for the **Testimonials Section**:

1. **Testimonial Background**
   ○ Input: File Upload
2. **Testimonial 1**
   ○ **Image**: File Upload
   ○ **Name**: Text Field
   ○ **Feedback**: Text Area
3. **Testimonial 2**
   ○ **Image**: File Upload
   ○ **Name**: Text Field
   ○ **Feedback**: Text Area
4. **Testimonial 3**
   ○ **Image**: File Upload
   ○ **Name**: Text Field
   ○ **Feedback**: Text Area

After filling up the Testimonial Section click on **NEXT**

8. Subscription Plans -

Here are the fields for the Subscription Plans section:

Subscription 1

1. Subscription Heading
   - Input: Text Field
2. Select Class Types
   - Input: Dropdown (e.g., Monthly, Quarterly, Yearly)
3. India (INR)
   - Pricing and Billing: Number Field (e.g., 100)
   - India Availability: Radio Buttons
     - True
     - False
4. Service 1 Description
   - Input: Text Field
   - Button: "Add Service"

Subscription 2

1. Subscription Heading
   - Input: Text Field
2. Select Class Types
   - Input: Dropdown (e.g., Monthly, Quarterly, Yearly)
3. India (INR)
   - Pricing and Billing: Number Field (e.g., 200)
   - India Availability: Radio Buttons
     - True
     - False
4. Service 1 Description
   - Input: Text Field
   - Button: "Add Service"

Subscription 3

1. Subscription Heading
   - Input: Text Field
2. Select Class Types

- ○ Input: Dropdown (e.g., Monthly, Quarterly, Yearly)
3. India (INR)
    - ○ Pricing and Billing: Number Field (e.g., `300`)
    - ○ India Availability: Radio Buttons
        - ■ `True`
        - ■ `False`
4. Service 1 Description
    - ○ Input: Text Field
    - ○ Button: "Add Service"

Add Subscription

- Button: Adds a new subscription section with the above fields.

After filling up the Subscription Plan click on **NEXT**

9. FAQs Section -

Here are the fields for the FAQs Section:

1. FAQ 1
    - Question: Text Field
    - Answer: Text Area
2. FAQ 2
    - Question: Text Field
    - Answer: Text Area
3. FAQ 3
    - Question: Text Field
    - Answer: Text Area
4. FAQ 4
    - Question: Text Field
    - Answer: Text Area
    - Button: "Remove" (✕)
5. FAQ 5
    - Question: Text Field
    - Answer: Text Area

Button: "Add FAQ" to add additional FAQ entries.

After filling up the FAQs Section click on **NEXT**

10. Policy and Terms

Here are the fields for the **Policy and Terms** section:

1. **About Us Background**
   - Input: File Upload (AboutUsBg)
2. **Privacy Policy**
   - **Heading**: Text Field
   - **Content**: Text Area
   - Button: "Add Privacy Policy"
3. **About Us**
   - **Heading**: Text Field
   - **Content**: Text Area
   - Button: "Add About Us"
4. **Refund Policy**
   - **Heading**: Text Field
   - **Content**: Text Area
   - Button: "Add Refund Policy"
5. **Terms and Conditions**
   - **Heading**: Text Field
   - **Content**: Text Area
   - Button: "Add Terms and Conditions"

After filling up the FAQs Section click on **Submit**

11. Payment Page

On clicking on the submit button the user are redirected to the payment page

Subscription Plans

Choose the perfect plan for your institution's website. Each plan is designed to meet your needs, from basic setups to advanced features, ensuring a seamless online presence.

Advance Plan

- **₹5000.00**
    - Admin and User Member Panel
    - Complete Paperless Ecosystem
    - Cutting-edge Technology Implementation
    - Digital Marketing, Data Analysis, and SEO Integration
    - Efficient Data Management for Admins
    - Fast and Easy Page Loading
    - Google and Facebook Ads Management
    - Identity Management System
    - Professional Contact Us Page
    - Regular Website Maintenance
    - SSL Certificate for Secure Data Transmission
    - Stunning Static Website Design
    - Unlock the True Potential of Your Business
    - User-responsive and User-friendly Interface
    - Web Hosting Included
    - **[Add to Cart]**

Basic Plan

- **₹1000.00**
    - Customization Options Available
    - Establish a Strong Online Presence
    - Fast and Easy Page Loading
    - Monthly Billing for Flexibility
    - Regular Website Maintenance
    - SSL Certificate for Secure Data Transmission
    - Stunning Static Website Design
    - User-responsive and User-friendly Interface
    - Web Hosting Included

- - [Go to Cart]

Standard Plan

- ● **₹2500.00**
  - ○ Admin and User Member Panel
  - ○ Cutting-edge Technology Implementation
  - ○ Efficient Data Management for Admins
  - ○ Fast and Easy Page Loading
  - ○ Identity Management System
  - ○ Professional Contact Us Page
  - ○ Professional Dashboard for Members
  - ○ Regular Website Maintenance
  - ○ SSL Certificate for Secure Data Transmission
  - ○ Stunning Static Website Design
  - ○ User-responsive and User-friendly Interface
  - ○ Web Hosting Included
  - ○ Establish Strong Online Presence
  - ○ **[Add to Cart]**

Proceed to Payment

Once you've selected your preferred plan, click **[Go to Cart]** or **[Add to Cart]** to proceed with the subscription and make your payment.

Advance	**Basic**	**Standard**
✓ Admin and User Member Panel.	✓ Customization options available.	✓ Admin and User Member Panel.
✓ Complete Paperless Ecosystems.	✓ Establish a strong online presence.	✓ Cutting-edge technology implementation.
✓ Cutting-edge technology implementation.	✓ Fast and easy page loading.	✓ Efficient data management for admins.
✓ Digital Marketing, data Analysis and SEO Integration.	✓ Monthly billing for flexibility.	✓ Fast and easy page loading.
✓ Efficient data management for admins.	✓ Regular website maintenance.	✓ Identity Management System.
✓ Fast and easy page loading.	✓ SSL certificate for secure data transmission	✓ Professional Contact Us page.
✓ Google and Facebook Ads Management.	✓ Stunning static website design.	✓ Professional Dashboard for members .
✓ Identity Management System.	✓ User-responsive and user-friendly interface.	✓ Regular website maintenance.
✓ Professional Contact Us page.	✓ Web hosting included.	✓ SSL certificate for secure data transmission.
✓ Regular website maintenance.		✓ Stunning static website design.
✓ SSL certificate for secure data transmission.		✓ User-responsive and user-friendly interface.
✓ Stunning static website design.		✓ Web hosting included.
✓ Unlock true potential of your business		✓ stablish strong online presence.
✓ User-responsive and user-friendly interface.		
✓ Web hosting included.		
₹5000.00	**₹1000.00**	**₹2500.00**
ADD TO CART 🛒	GO TO CART 🛒	ADD TO CART 🛒

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2. Operations Phase

User Type: Operations Engineer

Tasks and Steps:

1. **S3 Bucket Creation**
   - Create an S3 bucket.
   - Naming Convention: Use the subdomain name() as the bucket name.

     <institution_name>.happyprancer.com

   - Platform: AWS.

Create the S3 Bucket

First, log in to your AWS Console and select S3 from the list of services.

Select Create Bucket

1. Pick a name for your s3 bucket that should be the same as the sub-domain and select the region as US East (N. Virginia) Region.
   <institution_name>.happyprancer.com

Institution Type	Sub-domain formatting	Example
Dance Studio	<institution_name>.happyprancer.com	iconic.happyprancer.com
Dentist	<institution_name>.awsaiapp.com	nsg.awsaiapp.com
Cafe	<institution_name>.awsaiapp.com	tct.awsaiapp.com

2. In the permissions step, make sure to **uncheck Block all public access** if the bucket has public policies.

3. **Click Create bucket** on the review page to create the bucket.

4. Now click on your newly created bucket from the list and navigate to its permissions panel by **clicking Permissions**.

Add Permissions

5. Buckets by default are not publicly accessible, so we need to change the S3 Bucket Permission. Select the **Bucket Policy** from the permissions panel.

```
{
        "Version":"2012-10-17",
        "Statement":[{
                "Sid":"PublicReadForGetBucketObjects",
                "Effect":"Allow",
                "Principal": "*",
                "Action":["s3:GetObject"],
                "Resource":["arn:aws:s3:::<institution_name>.happyprancer.com/*"]
                }
        ]
}
```

6. Add the following bucket policy into the editor. Where <institution_name>.happyprancer.com is the name of our S3 bucket. Make sure to use the name of your bucket here.
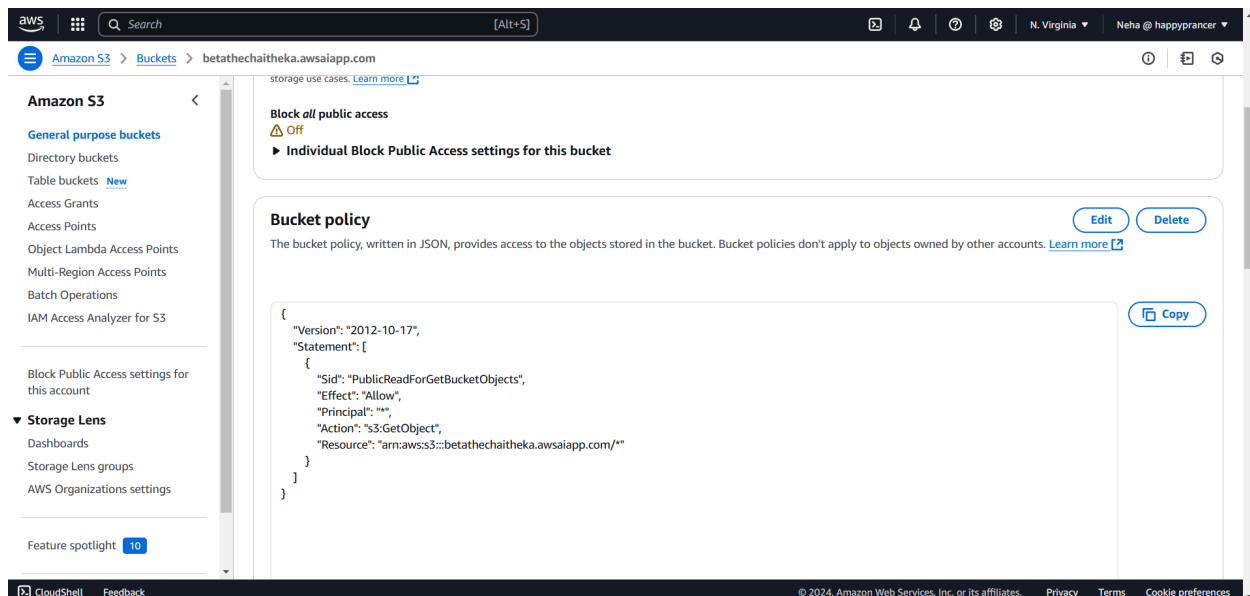
7. And hit **Save.**

Enable Static Web Hosting

8. And finally we need to turn our bucket into a static website. Select the **Properties** tab from the top panel.
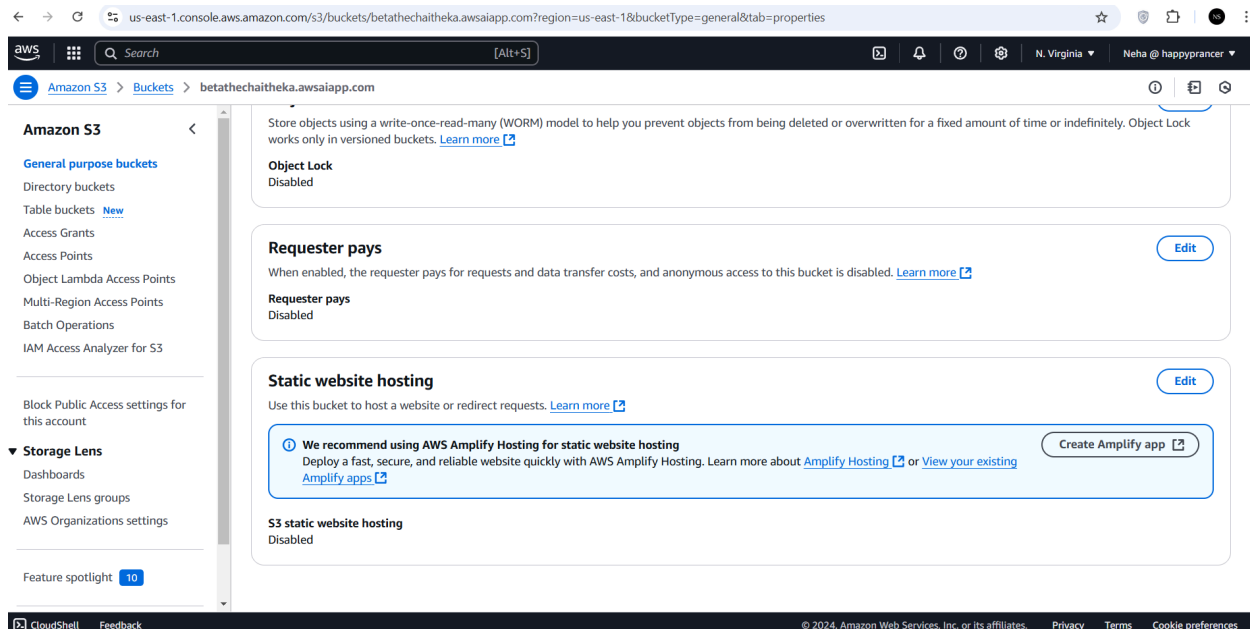
9. Select **Static website hosting**.

10. Now select **Use this bucket to host a website** and add our index.html as the **Index Document** and the **Error Document**. Since we are letting React handle 404s, we can simply redirect our errors to our index.html as well. Hit **Save** once you are done.

11. This panel also shows us where our app will be accessible. AWS assigns us a URL for our static website.
    <institution_name>.happyprancer.com
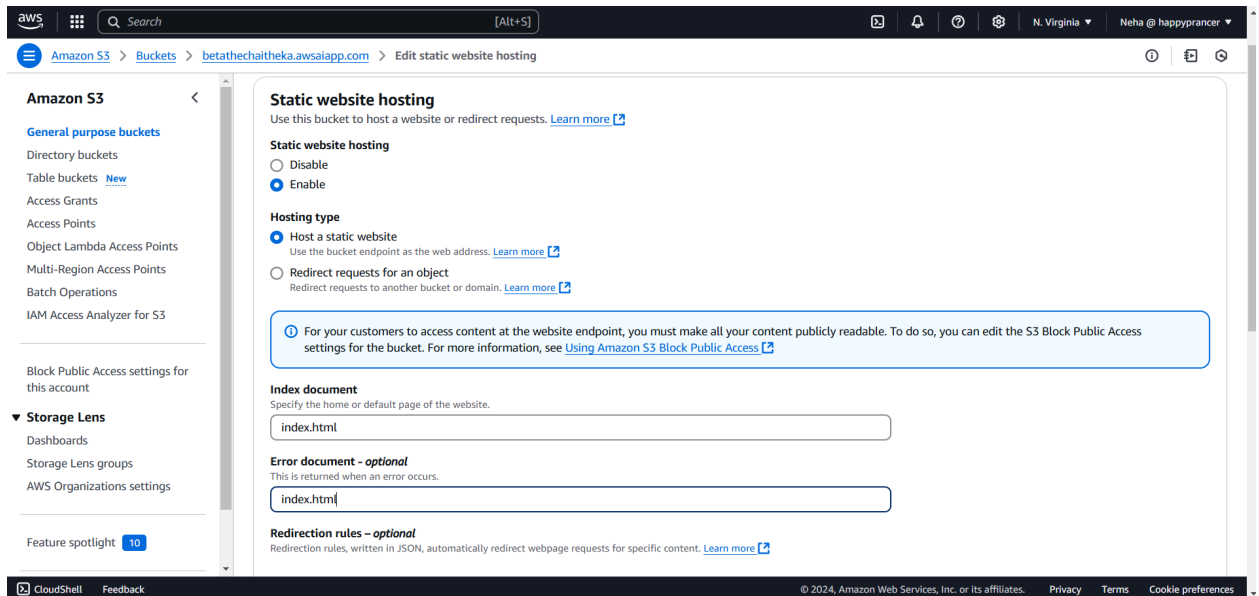
12. Now upload your index.html file in the s3 bucket
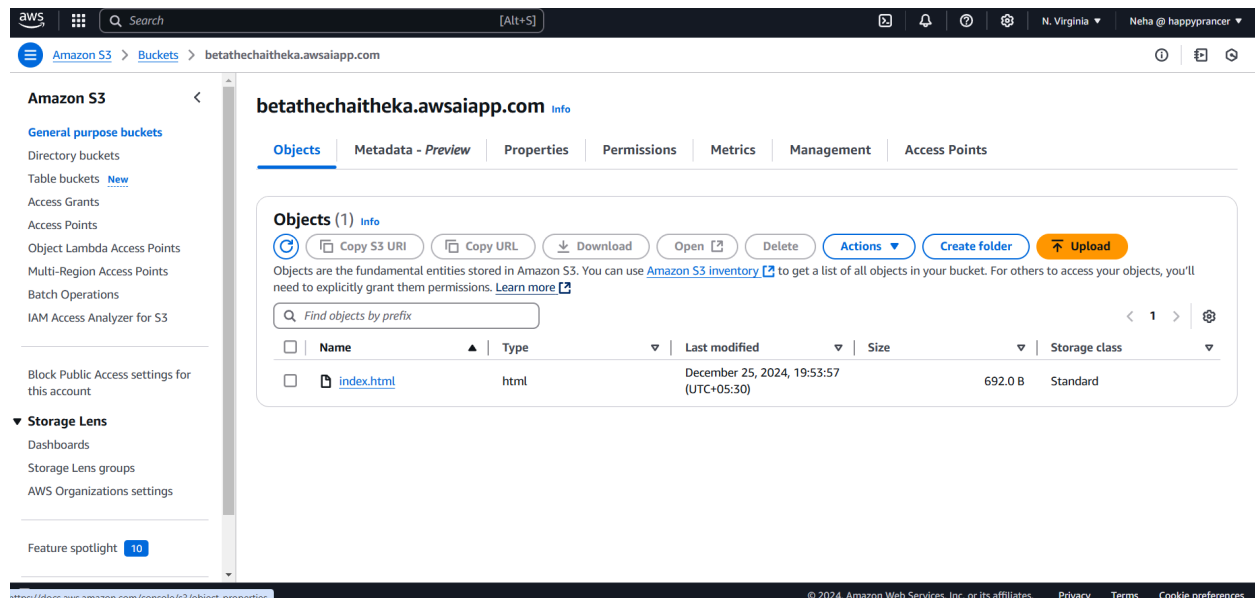
And the S3 Bucket will be created.

2. CloudFront Setup

- Configure CloudFront for the website.
- Naming Convention: Use the subdomain name as the distribution name.

  <institution_name>.happyprancer.com

- Platform: AWS.

Create a CloudFront Distribution

Create Distribution

1. Select **CloudFront** from the list of services in your AWS Console. Then select **Create Distribution**.
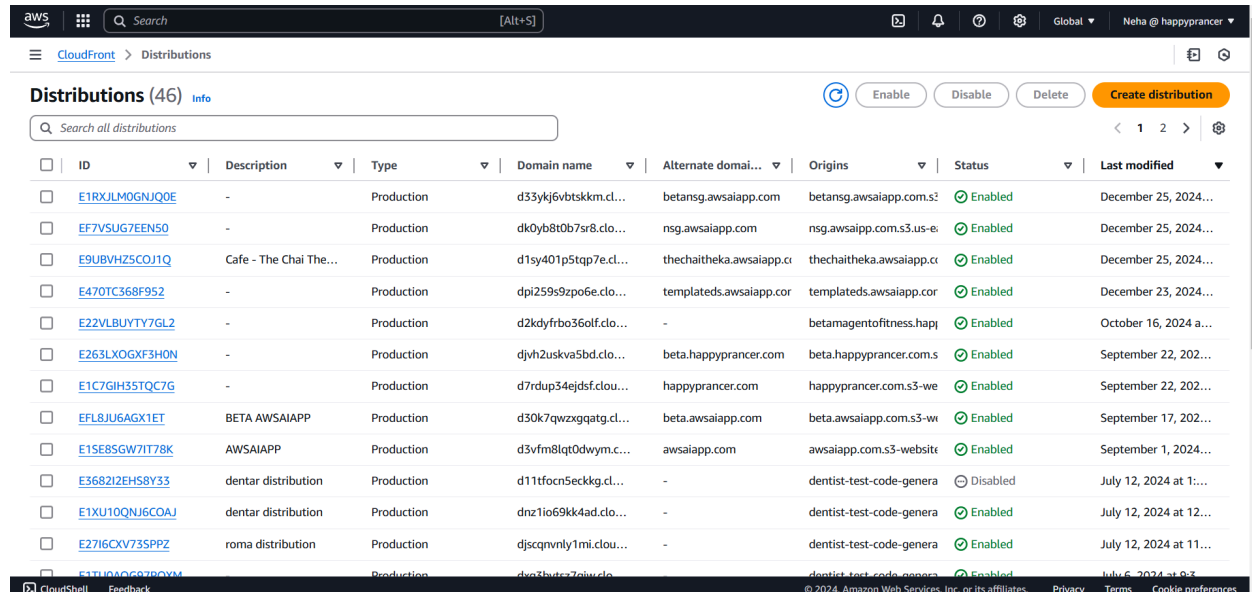
2. Grab the S3 website endpoint from the Static website hosting panel for your S3 bucket.. Copy the URL in the Endpoint field and put it here.
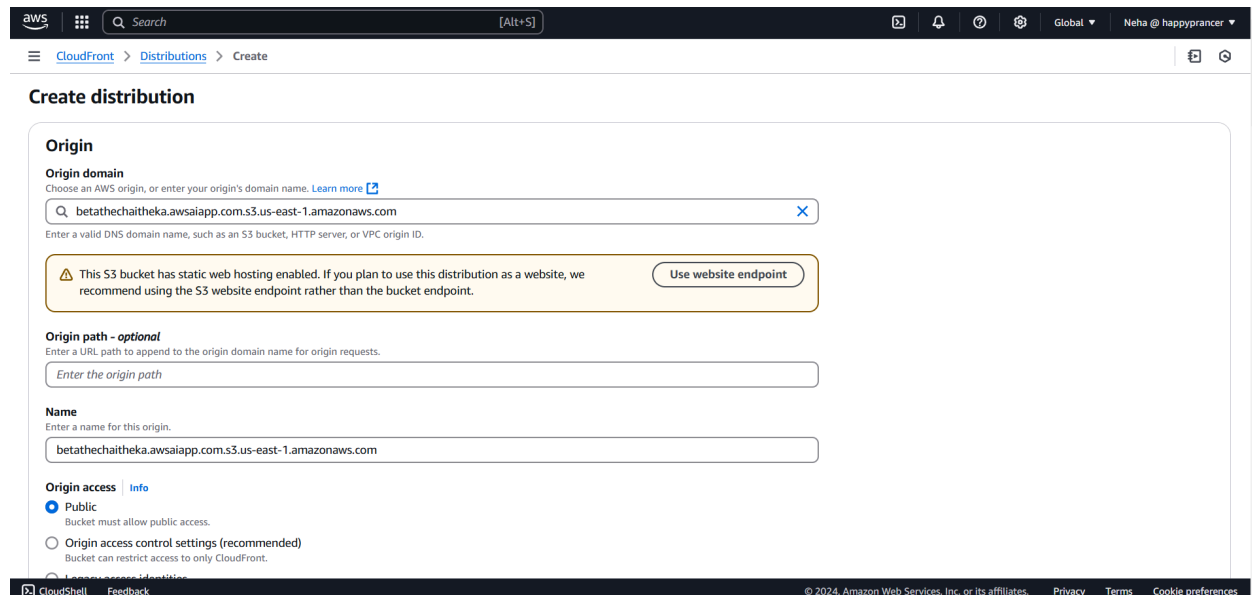
3. Click on the **user website endpoint.**
4. Next, scroll down a bit further to set the **Default Root Object** to index.html.
5. Disable WAF **Web Application Firewall (WAF)**

And finally, hit **Create Distribution.**

6. Custom Error Responses - To set up a custom error response, head over to the **Error Pages** tab in our Distribution.

7. And select **Create Custom Error Response.**

8. Pick **404 for the HTTP Error Code** and **Error caching minimum TTL as 300** then select Customize Error Response. Enter **/index.html for the Response Page** Path and **200 for the HTTP Response Code**.

9. And **hit Create**.

3. Hosted Zone Configuration

○ Set up the hosted zone for the domain.

○ Naming Convention: Use the subdomain name for the hosted zone.

<institution_name>.happyprancer.com

○ Platform: AWS.

1. Create Zone using the Route 53 console

1. Create Hosted zone - In the navigation pane, choose **Hosted zones**.

2. Write the **Sub-domain name** and a suitable description for it and hit **create.**

3. Move to the hosted zone created and **copy the value/route traffic**.
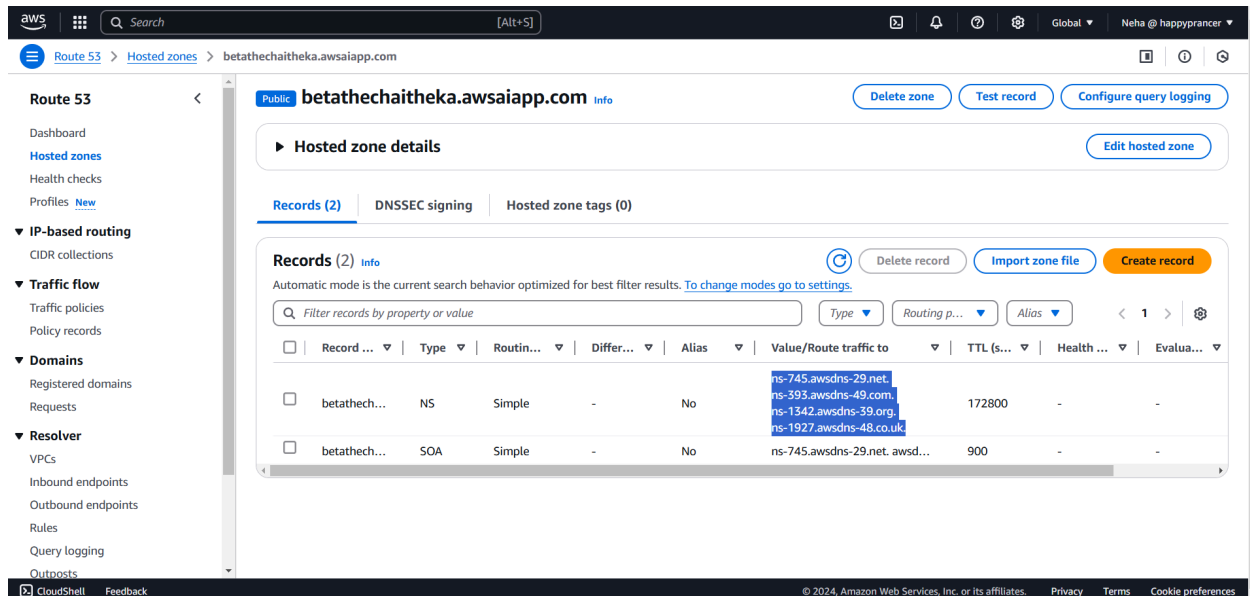
4. Go back to the hosted zone page.
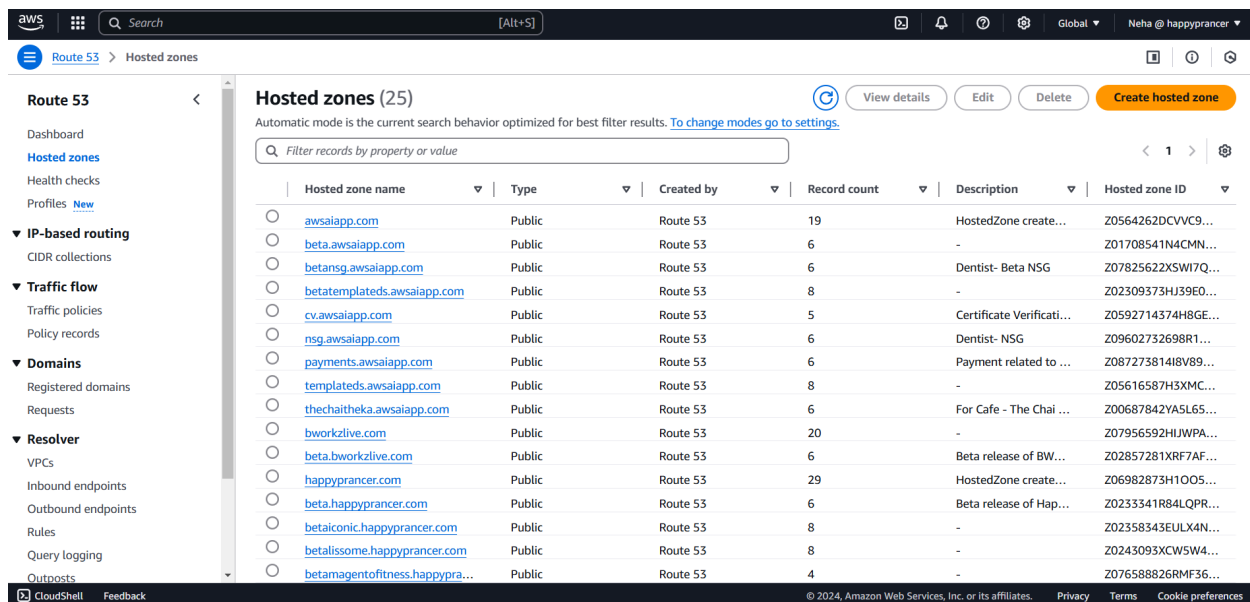
5. Create Record

On the Hosted zones page, choose the name of the hosted zone that you want to create records in.

In our case it is **happypracner.com** . Choose **Create record**.

6. Fill the **record name** and **choose record type as NS-Name servers for a hosted zone** then simply **paste the copied value /route traffic** in the value section then **hit create.**

4. **SSL Certificate Issuance**
   ○ Issue an SSL certificate for secure access.
   ○ Naming Convention: Use the subdomain name for the certificate.
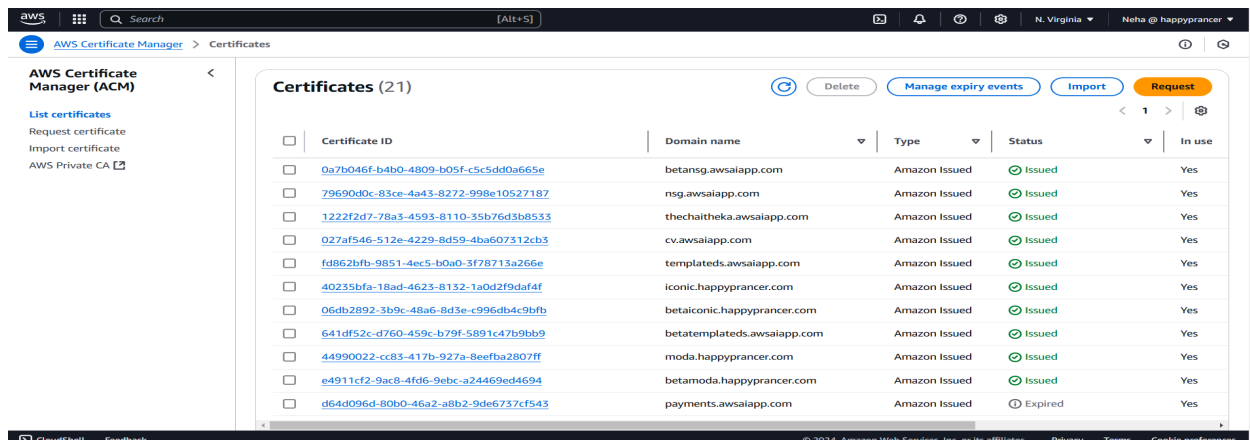
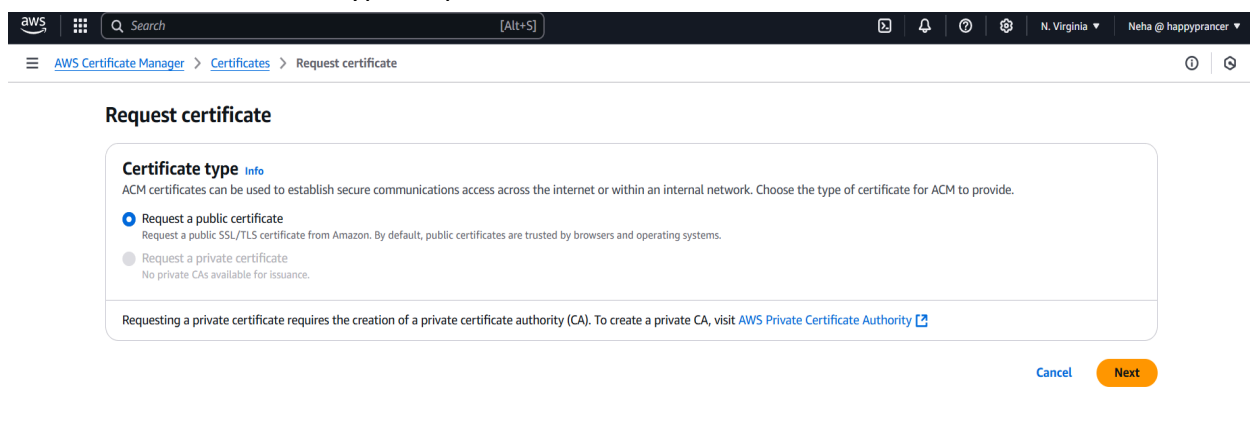   **<institution_name>.happyprancer.com**

   ○ Platform: AWS.

Set up a Custom Domain With SSL

Certificate Manager

1. Select **Certificate Manager** from the list of services in your AWS Console. And hit **Request.**

2. Let the Certificate type be public and **hit NEXT**.

3. Type in the **name of the sub-domain <institution_name>.happyprancer.com**. Hit **Add another name** to this certificate and add our www version of our domain as well. Hit **request** once you are done.

4. On the validation screen expand the two domains we are trying to validate.
5. Hit **Create record in Route 53**.

6. Here make sure **the domain in route 53** should be **YES.** And **Hit Create Records**.
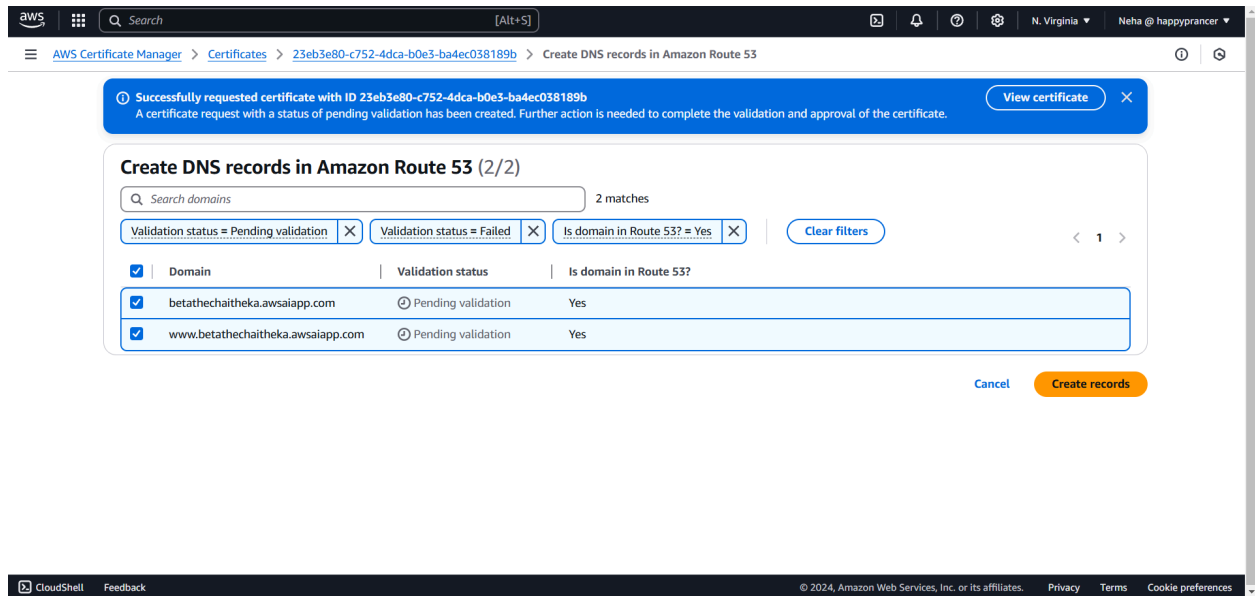
Set up Your Domain with CloudFront

Add Alternate Domain for CloudFront Distribution

1. Head over to the details of your CloudFront Distribution and hit **Edit**.
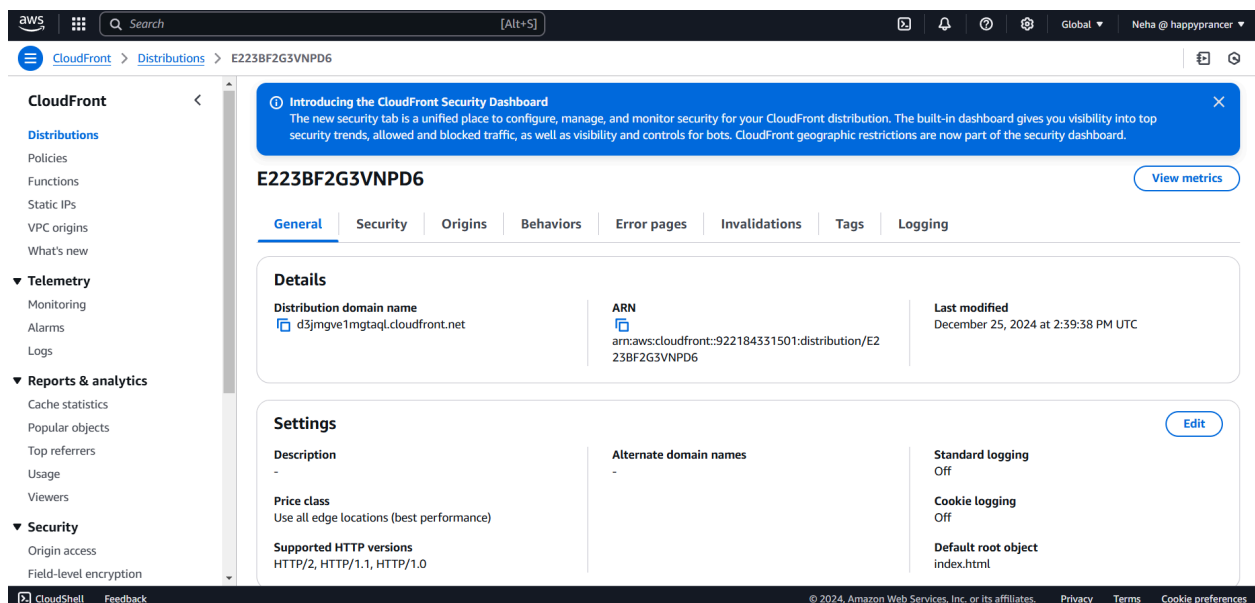
2. And type in your new domain name in the **Alternate Domain Names (CNAMEs) field**.

3. Now switch the **SSL Certificate to Custom SSL Certificate** and select the certificate we just created from the drop down. And scroll down to the bottom and hit **Yes, Edit**
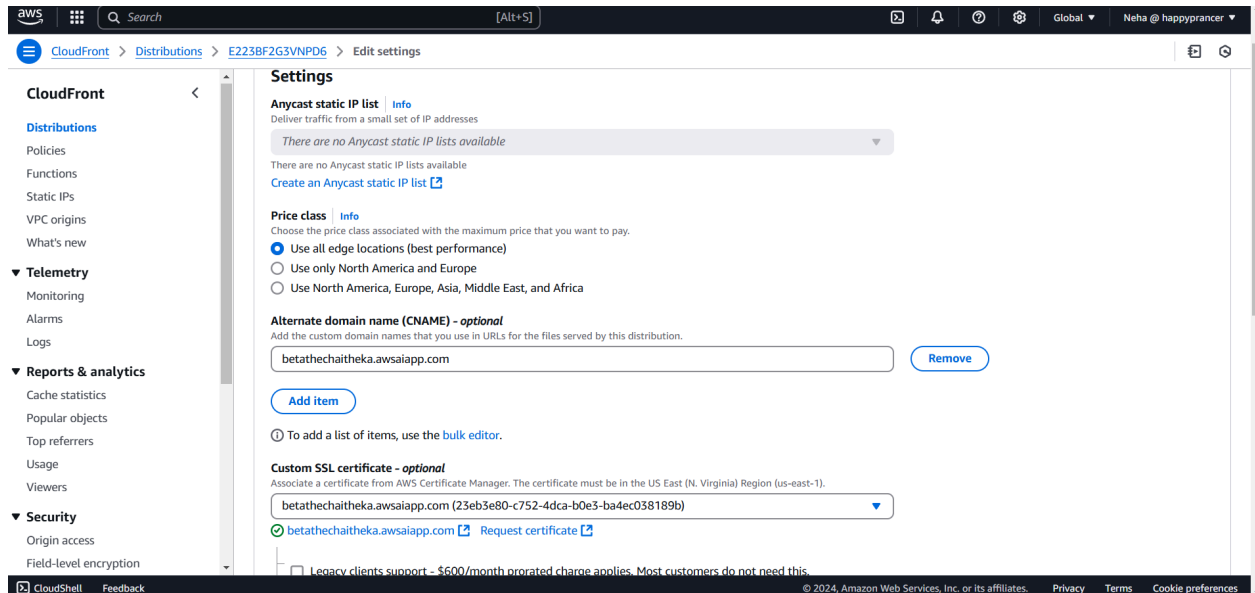
4. Next, head over to the **Behaviors** tab from the top. And select the only one we have and hit **Edit.**
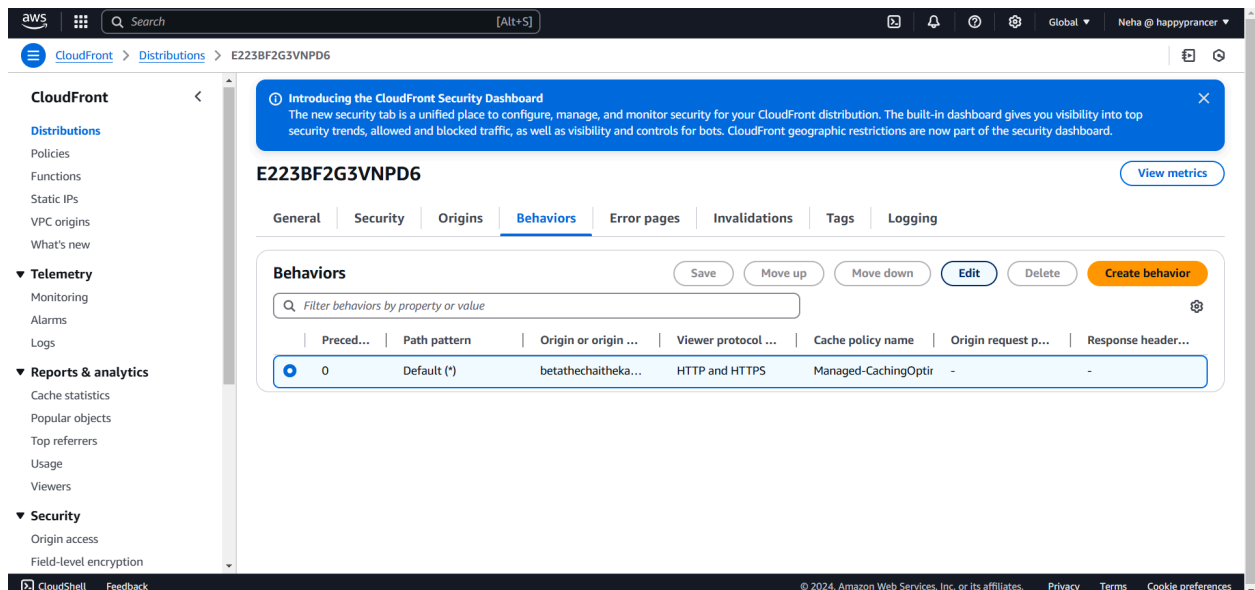
5. Then switch the Viewer **Protocol Policy** to **Redirect HTTP to HTTPS**. And scroll down to the bottom and hit **Yes**, Edit

Point Domain to CloudFront Distribution

6. Head back into Route 53 and hit the Hosted Zones button.Select your domain from the list and hit **Create Record Set** in the details screen.

Add IPv4 Support

7. **Leave the Name field empty** since we are going to point our bare domain (without the www.) to our CloudFront Distribution.
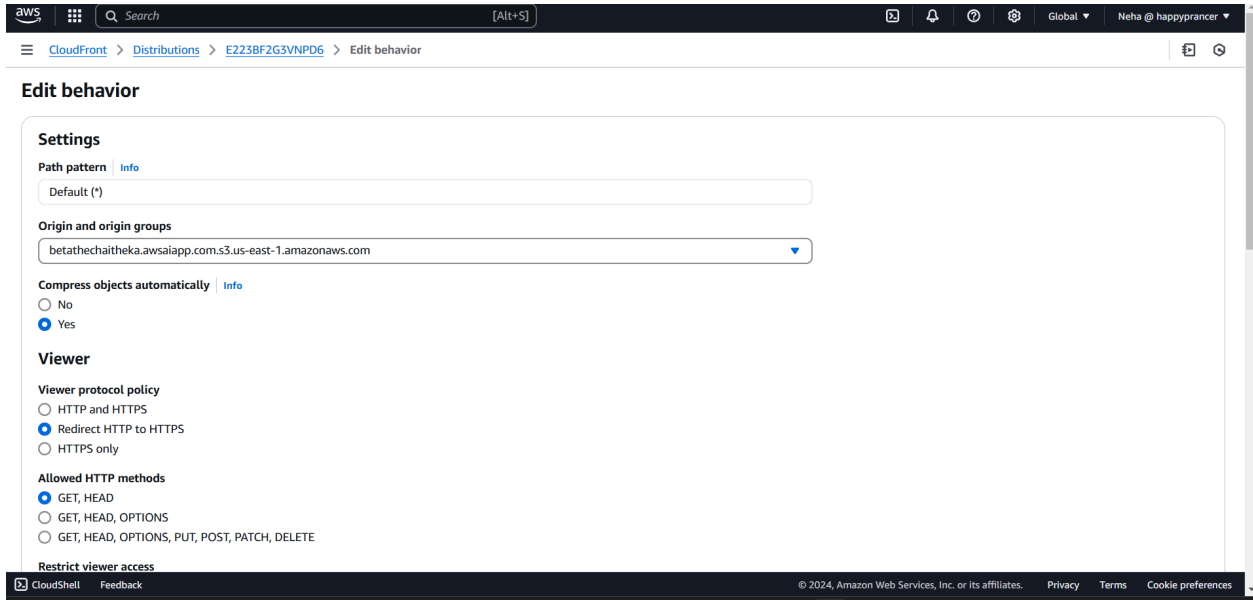
8. And **select Alias as Yes** since we are going to simply point this to our CloudFront domain.
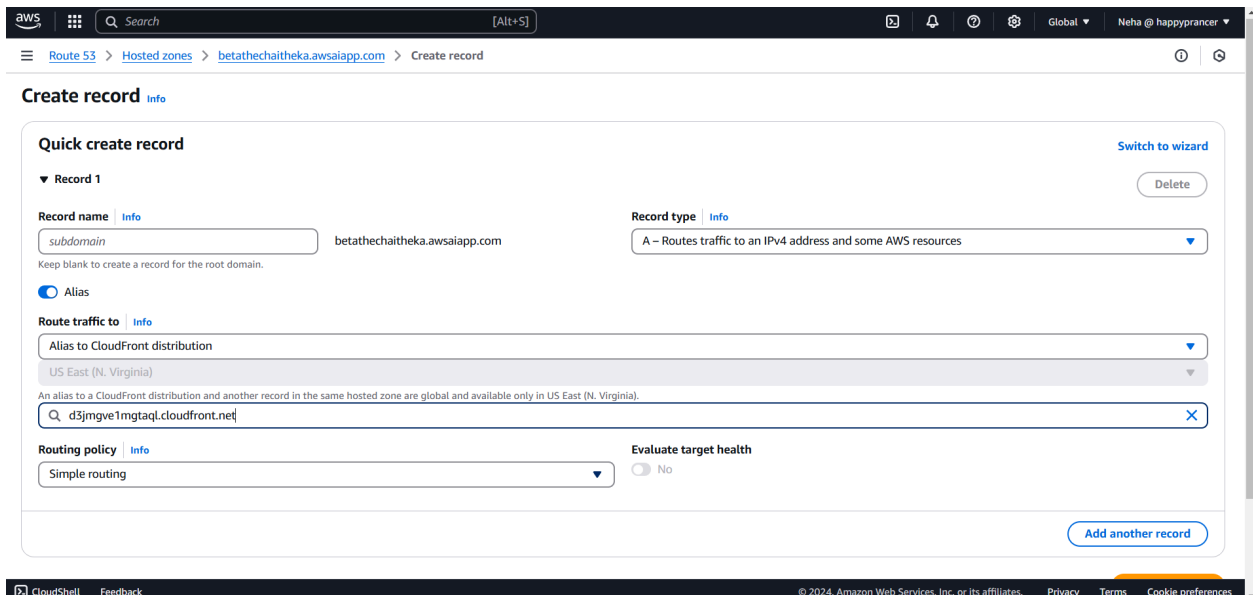
9. In the Alias Target dropdown, **select your CloudFront Distribution**.

Finally, hit Create to add your new record set.

Add IPv6 Support

10. Create a new Record Set with the exact settings as before, except make sure to pick AAAA - IPv6 address as the Type.
And hit **Create** to add your AAAA record set.

For the <institution_name>.happyprancer.com domain name -

Just create the s3 bucket and cloud front for www.<institution_name>.happyprancer.com and add the alternate name to the cloudfront so that the www<institution_name>.happyprancer.com will redirect the user to the <institution_name>.happyprancer.com website.

5. **Branch Creation**
   ○ Create a GitHub branch for the project.
   ○ Naming Convention: Use the institution name as the branch name.
   ○ Platform: GitHub.
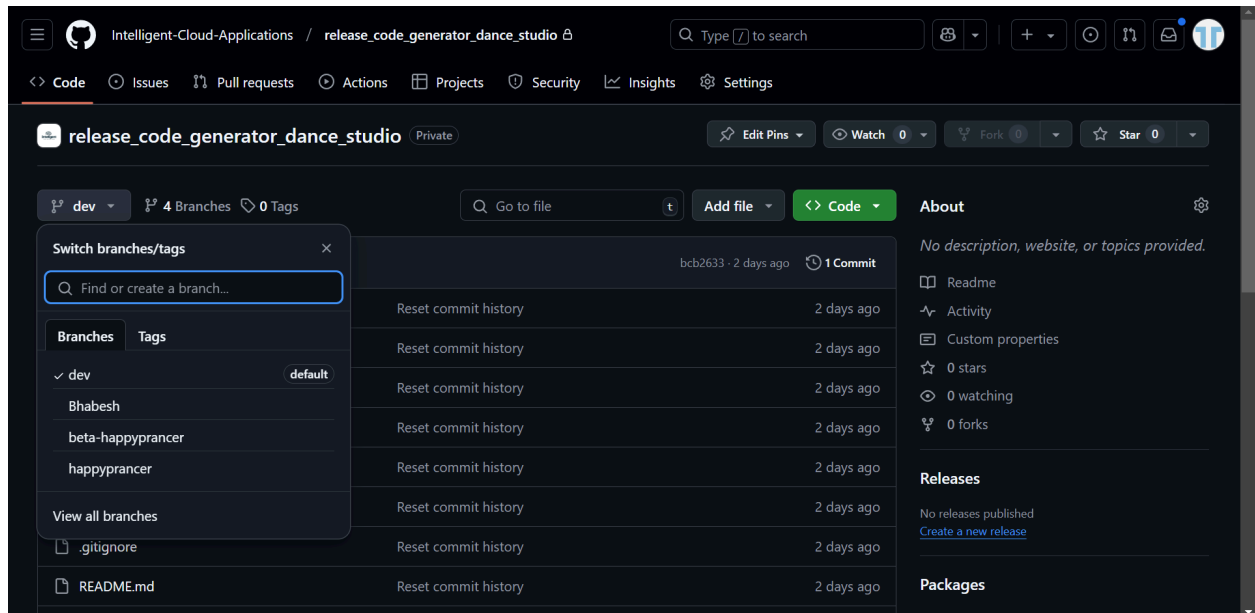
1. Go to the git repo -
   https://github.com/Intelligent-Cloud-Applications/release_code_generator_dance_studio

2. Create a new branch as per the institution name which by default pulls the codes of the default branch.
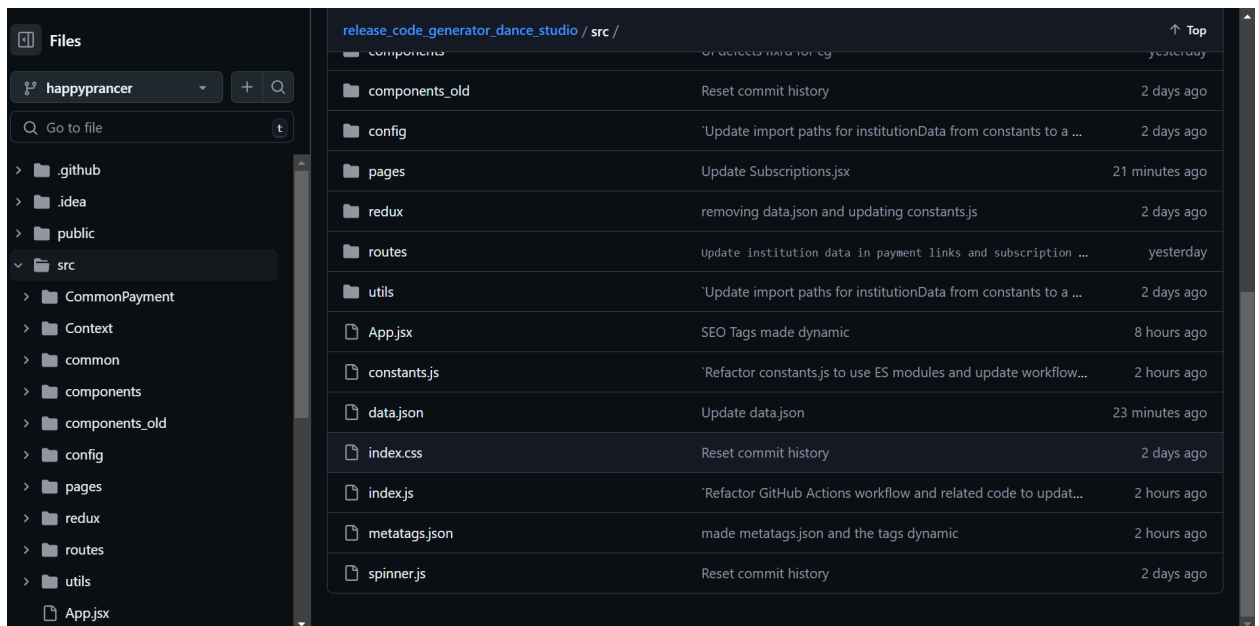
6. **Modify data.json**
   ○ Update data.json with the institution name, S3, and CloudFront details.
   ○ Platform: GitHub.
1. Go to **data.json** change the following

"institutionId": "happyprancer",

"s3BucketName": "happyprancer.com",

"cloudFrontId": "E1C7GIH35TQC7O",

"domain": "https://happyprancer.com"
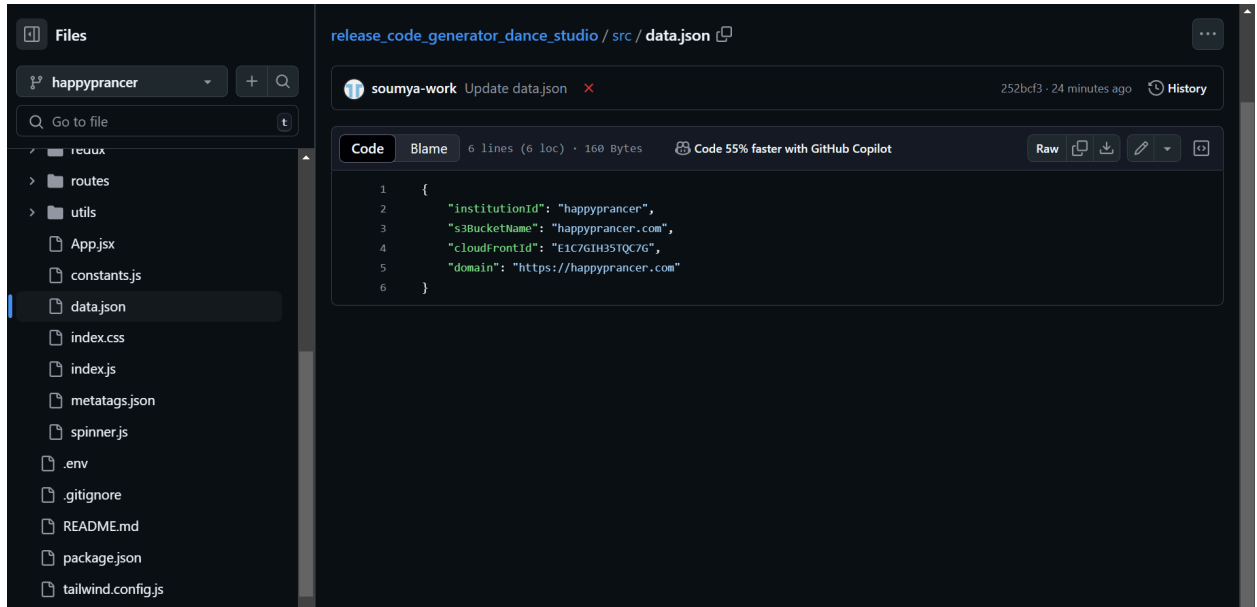
2. Check if the workflow is completed successfully

3. If successfully completed then the website will be live.

4. Just verify the site once.

7. Update Deliverable Status

○ Add the website link to AWSAIAPP and mark the status as deliverable.

○ Naming Convention: Use the subdomain name for the project link.

<institution_name>.happyprancer.com

○ Platform: AWSAIAPP.

3. Sales Phase (Verification and Delivery)

User Type: Sales Engineer

- Task: Verify the website link and deliver the website to the client.
- Details: Ensure the link is functional and meets client requirements.
- Platform: AWSAIAPP.