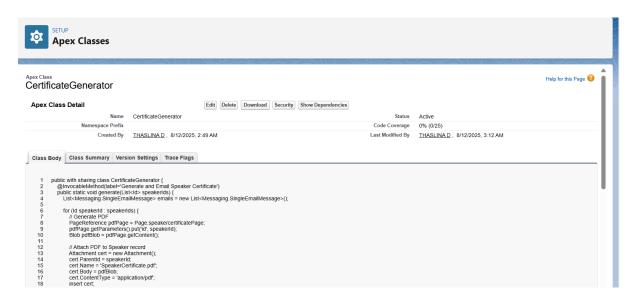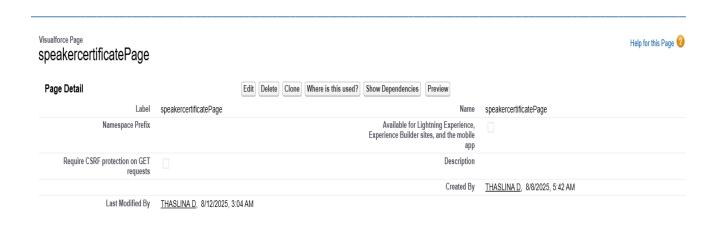# CERTIFICATE GENERATION:

## APEX CODE:

```
1   public with sharing class CertificateGenerator {
2       @InvocableMethod(label='Generate and Email Speaker Certificate')
3       public static void generate(List<Id> speakerIds) {
4           List<Messaging.SingleEmailMessage> emails = new List<Messaging.SingleEmailMessage>();
5
6           for (Id speakerId : speakerIds) {
7               // Generate PDF
8               PageReference pdfPage = Page.speakercertificatePage;
9               pdfPage.getParameters().put('id', speakerId);
10              Blob pdfBlob = pdfPage.getContent();
11
12              // Attach PDF to Speaker record
13              Attachment cert = new Attachment();
14              cert.ParentId = speakerId;
15              cert.Name = 'SpeakerCertificate.pdf';
16              cert.Body = pdfBlob;
17              cert.ContentType = 'application/pdf';
18              insert cert;
```
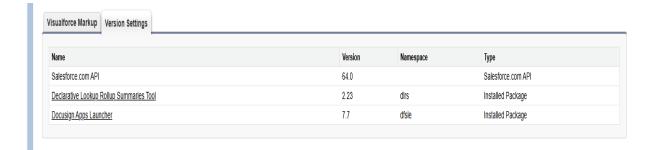
```
public with sharing class CertificateGenerator {
    @InvocableMethod(label='Generate and Email Speaker Certificate')
    public static void generate(List<Id> speakerIds) {
        List<Messaging.SingleEmailMessage> emails = new List<Messaging.SingleEmailMessage>();

        for (Id speakerId : speakerIds) {
            // Generate PDF
            PageReference pdfPage = Page.speakercertificatePage;
            pdfPage.getParameters().put('id', speakerId);
            Blob pdfBlob = pdfPage.getContent();

            // Attach PDF to Speaker record
            Attachment cert = new Attachment();
            cert.ParentId = speakerId;
            cert.Name = 'SpeakerCertificate.pdf';
            cert.Body = pdfBlob;
            cert.ContentType = 'application/pdf';
            insert cert;
```

```
        // Query speaker email
        Speaker__c speaker = [SELECT Name, Email__c FROM Speaker__c WHERE Id = :speakerId LIMIT 1];

        // Prepare email
        Messaging.SingleEmailMessage mail = new Messaging.SingleEmailMessage();
        mail.setToAddresses(new String[] { speaker.Email__c });
        mail.setSubject('Your Speaker Certificate');
        mail.setPlainTextBody('Dear ' + speaker.Name + ',\n\nThank you for speaking at our event. Please find your certificate attached.');

        // Attach the PDF
        Messaging.EmailFileAttachment attachment = new Messaging.EmailFileAttachment();
        attachment.setFileName('SpeakerCertificate.pdf');
        attachment.setBody(pdfBlob);
        attachment.setContentType('application/pdf');
        mail.setFileAttachments(new Messaging.EmailFileAttachment[] { attachment });

        emails.add(mail);
    }

    // Send all emails
    if (!emails.isEmpty()) {
        Messaging.sendEmail(emails);
    }
  }
}
```

# VISUALFORCE PAGE:

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## speakercertificatePage

**Page Detail**

Edit  Delete  Clone  Where is this used?  Show Dependencies  Preview

| | | | |
|---|---|---|---|
| Label | speakercertificatePage | Name | speakercertificatePage |
| Namespace Prefix | | Available for Lightning Experience, Experience Builder sites, and the mobile app | ☐ |
| Require CSRF protection on GET requests | ☐ | Description | |
| | | Created By | THASLINA D, 8/8/2025, 5:42 AM |
| Last Modified By | THASLINA D, 8/12/2025, 3:04 AM | | |

**Visualforce Markup**  **Version Settings**

| Name | Version | Namespace | Type |
|---|---|---|---|
| Salesforce.com API | 64.0 | | Salesforce.com API |
| Declarative Lookup Rollup Summaries Tool | 2.23 | dlrs | Installed Package |
| Docusign Apps Launcher | 7.7 | dfsle | Installed Package |

```
<apex:page renderAs="pdf" controller="SpeakerCertificateController">

   <div style="border:10px solid #2c3e50; padding:40px; background:#fdfdfd;
width:80%; margin:auto; text-align:center; font-family:Arial; color:#2c3e50;">


      <!-- Certificate Title -->

      <h1 style="color:#1abc9c;">Certificate of Participation</h1>

      <hr style="margin:20px 0; border:1px solid #1abc9c;"/>


      <!-- Speaker Details -->

      <p style="font-size:16px;">This is awarded to</p>

      <h2 style="margin:10px 0; color:#34495e;">{!SpeakerName}</h2>

      <p style="font-size:16px;">for contributing to the event</p>
```

```html
<h3 style="margin:10px 0; color:#2980b9;">{!EventName}</h3>

<p style="font-size:14px;">on <span style="color:#8e44ad;">{!EventDate}</span></p>


<!-- Footer -->

<p style="font-size:10px; margin-top:40px;">This certificate is system-generated and does not require a physical signature.</p>

    </div>
</apex:page>
```