Assignment Description
1. Develop simple eSign workflow application using NestJS
2. e-Sign work flow can be as shown in next page
    1. User should be able to load PDF, you can store this PDF in backend directory (or any other storage location)
    2. User should be able to add esign tag (use https://www.opensignlabs.com/ eSign API). *If you are Back End Developer you can ignore Front End Part*
    3. User should be able to preview PDF
    4. Upon Submit button you will use opensignlabs API and submit for eSign
3. Use **NestJS** framework to develop code
4. Share Github/GitLab repository link

Expected Result
1. Unit Test Cases
2. Code in **NestJS**
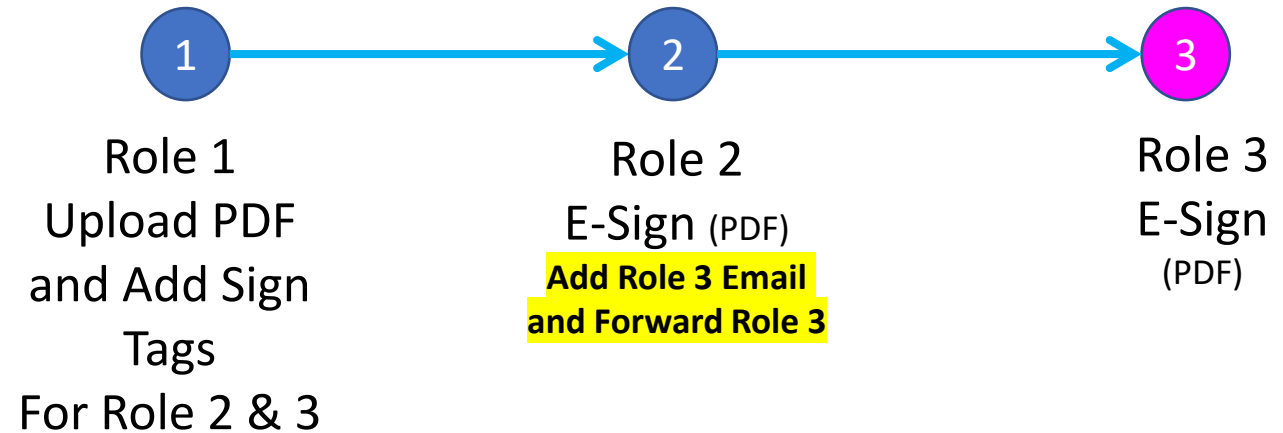
Sample Transaction Work Flow

Upload PDF File

Preview PDF

Add eSign Tags

Submit for eSign

Add eSign tags for
This should launch
https://www.opensignla
bs.com/ UI to add esign
Tags...
Role 1 with Role 1 email
Role 2 with Role 2 email
Role 3 with Role 3 email

*If you are **Back End Developer** you can ignore Front End development and create PDF file with hardcoded esign tags*

1

2

3

Role 1
Upload PDF
and Add Sign
Tags
For Role 2 & 3

Role 2
E-Sign (PDF)
**Add Role 3 Email
and Forward Role 3**

Role 3
E-Sign
(PDF)

https://www.opensignlabs.com/

Workflow Requirement

Role 1 initiates the process by uploading a document and defining signing tags for Role 2 and Role 3. At this stage, only Role 1's email is provided, while a placeholder (dummy) email is used for Role 2. Role 3's email is left unspecified initially.

Role 2 reviews the document, electronically signs it, and updates Role 3's email with the correct address. The document is then forwarded to Role 3 for the next step.

Role 3 receives the document, reviews it, and completes the process by adding their electronic signature.

Key Points to Emphasize

Dynamic Email Updates: The workflow requires the ability to dynamically update Role 3's email after Role 2 completes their signing step.

Placeholder Emails: A dummy email is used for Role 2 during the initial setup, but the actual signing process for Role 2 should proceed without issues.

Sequential Signing: The workflow follows a strict sequence: **Role 1 → Role 2 → Role 3**, with each role completing their task before the next step begins.

Hint

You may need to read below documentation

https://docs.opensignlabs.com/docs/API-docs/createtemplate

https://docs.opensignlabs.com/docs/API-docs/get-webhook