**Component Name**: DocuSign integration for remote signing

**Component Functionality**:

Docusign API integration with following features:

1. Select PDF file & configure signature / input fields position
2. Send it to signer

**Usage Areas**:

Can be useful to integrate / add E-signature in any web application.

Ex. Rent Agreement, Confidential document approval

**Component Technical details**:

* Angular cli version 8.1.2
* Typescript version 3.4.3
* rxjs version: 6.4.0

There is only one component in the current app.

Component Name: AppComponent

All the business logic is present under this component, All the api calls are written under api.service.ts file.

All the docusign credentials are kept under environment file.

Authentication process to get access token is written in interface function ngOnInit(){}

Step by step process to integrate docusign API’s:

1. Create developer sandbox account

Link: <https://go.docusign.com/o/sandbox/>

1. Go to admin / Integrations

At the above place add/link our application and copy credentials to use while making api calls.

1. Configure/Keep credentials mention in the integration section in our web application. Those are useful while calling docusign API.
2. Authentication process from web app. We used [Authenticate with Implicit Grant](https://developers.docusign.com/esign-rest-api/guides/authentication/oauth2-implicit) in POC.

Link: <https://developers.docusign.com/esign-rest-api/guides/authentication>

1. Create dynamic payload from input field for dynamic placing of tabs on PDF file. To configure signature tab / text field tabs on PDF file refer below Link.

Link: <https://developers.docusign.com/esign-rest-api/guides/features/tabs>

1. Call the docusign API to send an email to signer with generated payload in step 5.

Refer API collection & payload samples from below link:

Link: <https://github.com/docusign/postman-esign-api-collection>

Official documentation URL: <https://developers.docusign.com/esign-rest-api/guides>

Demo App link of docusign for reference: <https://loancosample.esigndemos.com/>

**How this component can be integrated with other Applications**:

We can refer code / utilise same code to integrate docusign API’s, In case of custom requirement we need to update payload of API request or business logic as per requirement.

**Screenshots**:

1. **Initial Screen :**

**A screenshot of a social media post

Description automatically generated**

1. **Page will internally redirect to docusign website to get access token** :

A screenshot of a cell phone

Description automatically generated

1. **After Validation**:

A screenshot of a cell phone

Description automatically generated

1. **Fill the data, configure dynamic tab, select PDF file then send an email using Send mail button:**

**A screenshot of a social media post

Description automatically generated**

1. **Signer will get an email from docusign:**

**A screenshot of a social media post

Description automatically generated**

1. **Review & Sign the document:**

**A screenshot of a social media post

Description automatically generated**

1. **Completion / Confirmation Email with updated PDF:**

**A screenshot of a cell phone

Description automatically generated**