

Premise:

Consider an app which is going to be hosted in cloud. There are two actors in this App. They are

1. User: The person you primarily design the application for. The User initiates the flow of operation via a document upload and data field entries on a form.
2. Vendor: The vendor is another actor whom the User will add to the app via Vendor tab on the side panel. Once added, the vendor will get a email notification and he can onboard via the invitation link

Problem Definition

Part 1:

Assume there are 2 Users, and 3 Vendors already onboarded the platform. The User will update a document in .pdf format along with some data fields in a form. Let us say, pdf is known as Purchase Order and following data fields are there:

Data Fields	
Product Name	String
Quantity	Integer
Date of shipping	String
Shipping Schedule 1	Opaque for User but to populate when you got reply from vendor
Shipping Schedule 2	Opaque for User but to populate when you got reply from vendor
Shipping Schedule 3	Opaque for User but to populate when you got reply from vendor

After entering the following details, the User will select the desired vendors from a drop-down menu and send the information along with the document attached (Here User will have an option to upload the .pdf document, that is Purchase Order. The documents and data field will be sent to the desired Vendors.

Part 2:

The Vendor has to login using his credentials and will see the same data field and document that is seen by the User on his landing page. There is a view option to view the .pdf document.

Data Fields	
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Product Name	Read Only no Edit option
Quantity	Read Only no Edit option
Date of shipping	Read Only no Edit option
Shipping Schedule 1	Date selection using calendar
Shipping Schedule 2	Date selection using calendar
Shipping Schedule 3	Date selection using calendar

The user will get a notification/acknowledgement if the vendor views the query/message.

The Vendor will give 3 options for shipping schedule and send the same to the customer on save upon which the same will get populated at the User end. Upon saving the data field will become Read only and vendor will lose the option for edit.

Part 3:

The user will get the notification about the shipping schedule and the same will get populated for the User and User will have an option to select one of the schedules by using a selection button. The same will be shown on the Vendor dashboard by making it color green/white while others will be opaque (opacity) .