

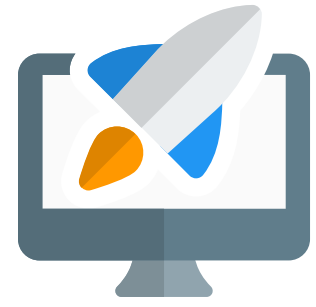
# Enterprise Finance portal

Enterprise finance portal is an online marketplace where small businesses can quickly register on platform and get short term loans for their invoices. Portal is designed to make this process as simple, safe and secure as possible.

## About client :

The client has deep expertise in supply chain finance and trade finance. The client has a product which is an online marketplace for short-term and collateral-free loans for MSMEs (Micro, Small & Medium Enterprises ). The client organization helps small businesses have a loan based on their invoices.





# BUSINESS REQUIREMENTS :

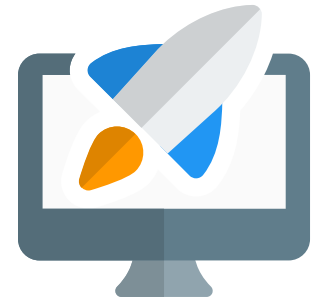
- ➔ The solution should be a SaaS-based portal where different companies can register themselves and use the portal by their dedicated URL.
- ➔ Login and registration should have multi-factor authentication features.
- ➔ The portal should have three types of users: -
  - Lenders: Lenders are organizations who earn interest by giving loans to small organizations
  - Corporate: Corporates are the manufacturers of various goods and services.
  - Vendors: Vendors are basically sellers (who provide raw materials to the corporates) and dealers (who sell final products).

## Quick Facts :

“ Industry:  
Finance and Trading  
MarketPlace. ”

## Benefits Delivered :

- “
- Attractive User Interface.
  - Increases Customer Satisfaction.
  - Saas Support.
  - High availability.
  - ERP integration support.
- ”



# BUSINESS REQUIREMENTS :

- ↳ Lenders should be able to fund the invoice.
- ↳ Lenders, Corporates, and Vendors can see their financial updates in their personal portfolios.
- ↳ Lender, Corporate, and Vendor users should be able to manage all the financial operations through the portal.
- ↳ Lender, Corporate, and Vendor users should be able to get reports by email/SMS notifications.
- ↳ Users should be able to download financial reports.
- ↳ Users should be able to get reports at the scheduled time by email.
- ↳ Backend users should be there to manage the users on the portal.





# KEY FEATURES :

- ✓ The Portal provides excellent security of data and also provides robust & reliable storage facilities.
- ✓ Enabling an ERP integration ensures that there are no errors or duplicate work in the transaction flow.
- ✓ Registration and Login with Multi-Factor authentication using Email.
- ✓ Portal supports login using SSO to allow a user to authenticate once and gain access to separately secured systems without resubmitting credentials.
- ✓ Corporates and Vendor users can upload invoices with three methods. (Manual upload, File upload, and Bulk upload).
- ✓ The Portal asks users to accept the NoA while submitting the invoice for funding. The lender can check all invoices, which came under the lender's panel for funding.

“

They are very good at following instructions and consistently build our product as per our requirements. They are quick with milestone deliverables. We will continue to work with Ignek and the team. ”





# KEY FEATURES :

- ✔ The lender can fund the invoice from the portal only.
- ✔ Portal creates a loan when the lender funds the invoice and sends email notifications for the installments.
- ✔ The portal has a dashboard view to show all activities on a single page.
- ✔ Vendor users can set a preferred time and date to receive emails containing different kinds of reports.
- ✔ Users can download financial reports in many formats (PDF, Excel, CSV, and Text).
- ✔ The Portal is capable of syncing the data with the bank systems.
- ✔ The Portal sends WhatsApp and email notifications to the users for updates.
- ✔ The portal supports auto repayments, so vendors don't need to remember the loan installment dates.



# SOLUTION/ TECHNOLOGY USES:

1

## Liferay :

- Implemented multi-tenancy using Liferay's instance feature where each company has its own URL and it is mapped with each individual Liferay instance.
- Created a new company site from the master site using Liferay's LAR Import-export feature.
- Developed a custom module to generate and download reports.
- Developed a custom module to implement multi-factor authentication using SMS and Email channels.
- Developed a scheduler to send different types of financial reports to users on a particular date and time.

2

## ReCAPTCHA:

ReCAPTCHA is used for online submission forms to prevent spam and abuse from entering the site.

3

## iText library:

We used this library to generate PDF reports of loan disbursal, Invoice disbursal, corporate user details, etc.

4

## Apache POI library:

We used this library to read and write files in Microsoft Office like Excel and PowerPoint.

5

## Service builder

We used a service builder to define custom SQL queries in an XML file and implement custom finder methods to run the queries.

6

## JAX-RS web services

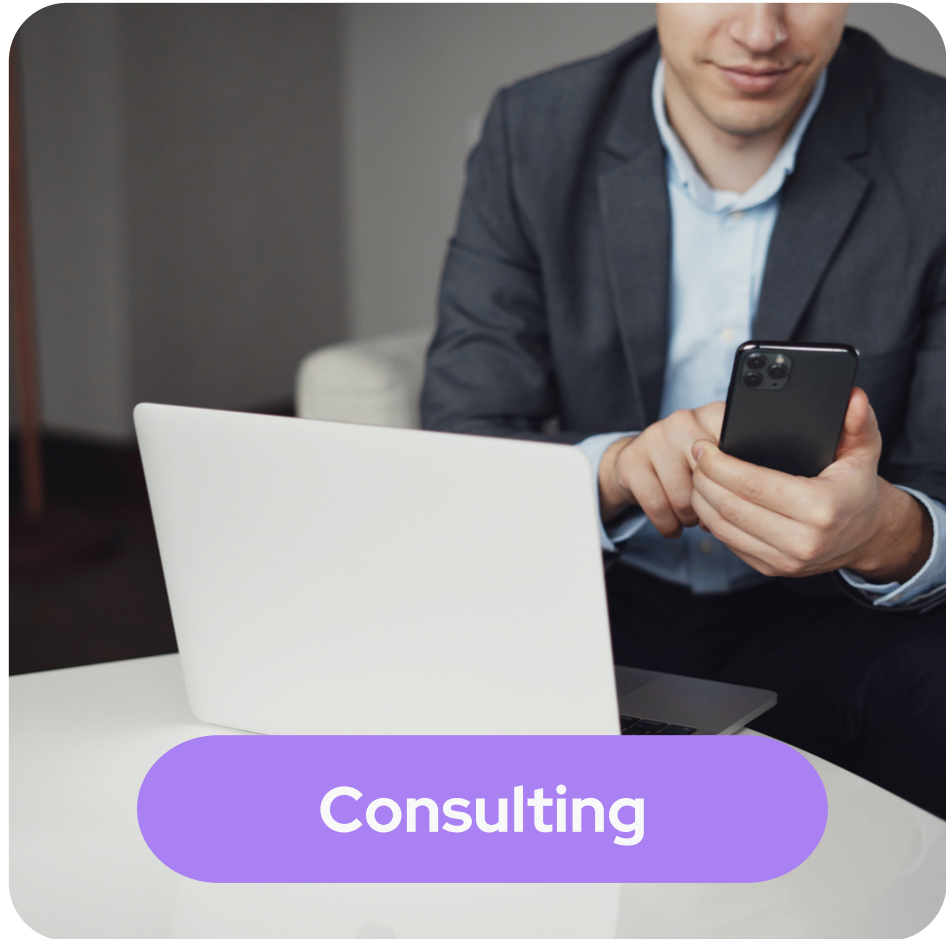
We have developed Rest APIs so other systems can integrate with it.

7

## Twilio Authy API

We have used this API for the authentication of the user while registering on the portal.





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# Contact Us

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Thank You