

## Software Development Task

Project: **IPO Web Application & REST API Development**

Company: **Bluestock Fintech**

Website : [bluestock.in](https://bluestock.in)

HQ Contact : [7038202440](tel:7038202440)

Date: **01/08/2024**

Department : **#BF-SOFT-DEV**

### Team Structure

SR. No	Name	Email	Mo No	Role
1	Rakshita Suyal	rakshitasuyal900@gmail.com	7017684980	<b>Team Leader</b>
2	Parth arora	partharora3068@gmail.com	9991191025	<b>Co-Team Lead</b>
3	Yashvardhan Singh Raikuni	yashvardhansing330@gmail.com	8979062161	Dev
4	TIMMAREDDY DEEKSHITHA	ui22ec78@iiitsurat.ac.in	9347450699	Dev
5	Sonawale Supriya Sambhaji	supriyasonawale990@gmail.com	8010516363	Dev

### Important –

**Check UI UX Design-** <https://www.figma.com/design/Y78Wmi24Jdo6PrAFiHySkg/Product---Bluestock-Fintech?node-id=0-1&t=ftol8O2tUOct71Ot-1>

**Check System Design:** - <https://www.figma.com/board/6Cev7rnYUMcVIS866hyChi/System-Design?node-id=0-1&t=047jjcbou4Pcltn2-1>

**Assets (Logo,SVG, PNG Etc) :** [https://drive.google.com/drive/folders/11Q6kapopPp4tVn82QKRCX8cpHYHO5GCK?usp=drive\\_link](https://drive.google.com/drive/folders/11Q6kapopPp4tVn82QKRCX8cpHYHO5GCK?usp=drive_link)

Task Management:

- Use Notion for assigning and tracking tasks within the team.
- Developers must report daily work status to the Team Leader.
- Developers also can change their role by taking permission of team leader
- The Team Leader should report work progress every 7 days to Mr. Yash Kale.
- Write high quality industry standard code.

**GitHub Repo Link:** [Clone this repo and start working on it]

Git Link - (Check Mail) –

*If Production repo access not granted start working on local git repository*

## Introduction

This report outlines the production-level software development tasks assigned to our interns at Bluestock Fintech. The project involves developing an IPO web application and REST API for the Bluestock website/app and our clients' websites/apps. These tasks are designed to enhance the interns' practical knowledge and contribute to our ongoing projects. Each task aligns with our company's goals and the interns' skills and career aspirations.

## Objective:

Develop a web application and REST API that provides IPO-related information to the public. The application will display information such as company logo, name, price band, opening and closing dates, issue size, issue type, listing date, status, IPO price, listing price, listing gain, current market price (CMP), and current return. Additionally, it will include downloadable RHP and DRHP PDFs.

## Software Requirements

### Backend:

- SDK: Python (Version 3.12.3)
- Framework: Django (Version 5.0.6) - `pip install Django`
- API: Django REST Framework (Version 3.15.1) - `pip install djangorestframework`
- Tools: Postman for API testing, Git & GitHub for version control

### Frontend:

- Technologies: HTML, CSS, plain JavaScript (no NodeJS)
- Framework: Bootstrap 5 (via CDN link)
- Database: PostgreSQL

- IDE: Visual Studio Code (VS Code)

#### 4. Prerequisites

Interns are required to familiarize themselves with the following concepts before starting the project:

What is Stock Market ? - <https://youtu.be/Zt6bVL39b9M?si=efZqf77wkWaOrnAQ>

What is IPO ? - [https://youtu.be/gWrR5qPEmWE?si=QAf19b\\_i-uSMn3vV](https://youtu.be/gWrR5qPEmWE?si=QAf19b_i-uSMn3vV)

#### 5. Project Features

The IPO Web Application will provide the following information to the public:

- Company Logo
- Company Name
- Price Band
- Open Date
- Close Date
- Issue Size
- Issue Type
- Listing Date
- Status
- IPO Price
- Listing Price
- Listing Gain
- Current Market Price (CMP)
- Current Return
- RHP PDF
- DRHP PDF

*This information will be available on both the Bluestock website/app and clients' websites/apps.*

#### 6. Development Overview

Important Notes:-

- This is a production-level project; therefore, write quality code and test features regularly.
- Apply necessary security rules to ensure data protection and integrity.
- Utilize ChatGPT for testing code, writing features, and designing the database schema.

## 8. References

<https://youtu.be/OqqAWN19JOs?si=aUhcPqaBmWHaNAYI>

<https://youtu.be/s7aINQPGNDM?si=ydfab7GMUaMCg91W>

[https://www.youtube.com/watch?v=C1NgOmoOszc&list=PLjVLYmrlmjGcyt3m6rt21nfjhYSWP\\_Ue](https://www.youtube.com/watch?v=C1NgOmoOszc&list=PLjVLYmrlmjGcyt3m6rt21nfjhYSWP_Ue)

<https://youtu.be/5EY6JFptZgw?si=nwZ5DE7nVc4TXs8X>

## 9. Deadlines

Date	Work Status
-	Complete All Frontend (Client Side, Admin Dashboard)
-	Complete Entire Project

Note: The timeline is flexible. Discuss with your team leader to determine a suitable schedule for all developers.

### Submission Guidelines

- Do not commit buggy or error-prone code.
- Thoroughly test your code on your local machine before committing.
- Commit changes to the main branch and push them.

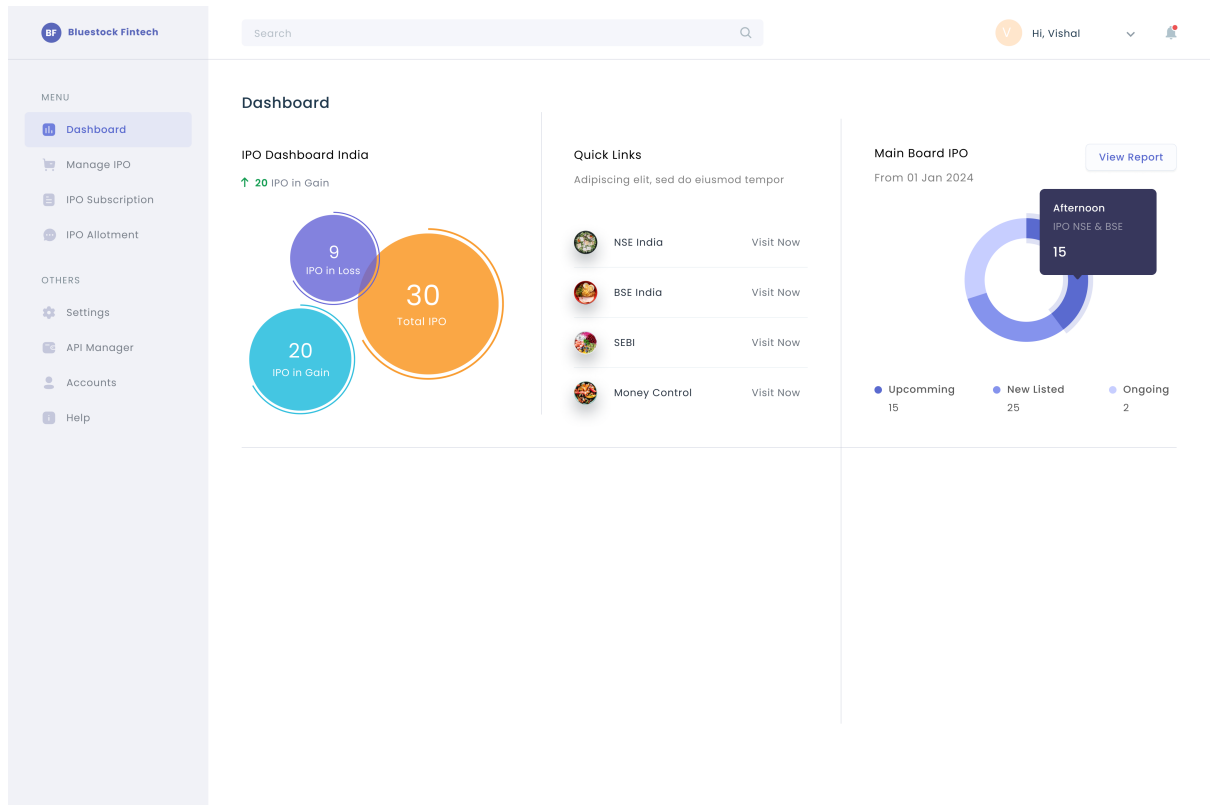
## 10. Resources for This Project

**Assets (Logo,SVG, PNG Etc) :**

[https://drive.google.com/drive/folders/11Q6kapopPp4tVn82QKRCX8cpHYHO5GCK?usp=drive\\_link](https://drive.google.com/drive/folders/11Q6kapopPp4tVn82QKRCX8cpHYHO5GCK?usp=drive_link)

(Request Access)


## Figma UI/UX Prototype:





Email Address


Password [Forgot Password?](#)

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Please visit link for complete details - <https://www.figma.com/design/Y78Wmi24Jdo6PrAFiHySkq/Product---Bluestock-Fintech?node-id=0-1&t=ftol8O2tUOct71Ot-1>

**System Design:**





**Database Diagram:**

User table already created

Username- admin

Password – admin

users	
 <b>id</b>	bigint
username	varchar
email	varchar
first_name	varchar
last_name	varchar
staff_status	boolean

ipo_info	
 <b>id</b>	bigint
company_logo_path	text
company_name	varchar
price_band	varchar
open	varchar
close	varchar
issue_size	varchar
issue_type	varchar
listing_date	varchar
status	int
ipo_price	varchar
listing_price	varchar
listing_gain	varchar
listing_date	varchar
cmp	varchar
current_return	varchar
rhpf	varchar
drhpf	varchar

**User Flow:**

-- Nil --