

## Software Development Task

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

Company: Bluestock Fintech

Website : [www.bluestock.in](http://www.bluestock.in)

Mail Id : hello@bluestock.in

WA Contact : 7038202440

Date: 02/01/2025

Department : #BF-SOFT-DEV

Team Structure

SR. No	Name	Email	Mo No	Role
1	Bhavani Chiluka	bhavanichiluka23@gmail.com	9381394633	Team Lead
2	Shivam Kumar	shivamraj7479@gmail.com	7667027466	Co-Team Lead
3	Machineni Charan Teja	cherrychows25@gmail.com	9390089523	Dev
4	Taufique Khan	taufiquek080@gmail.com	9616067746	Dev
5	Vishal Subhash Chavan	vsc251044@gmail.com	8010045390	Dev
6	Atchaya S	adscyber2004@gmail.com	9123520327	Dev
7	Kavya K	kavyakav2906@gmail.com	7019855374	Dev
8	Balak Nath Yadav	balaknathyadav51@gmail.com	6392998740	Dev

Important –

Check UI UX Design- <https://www.figma.com/design/lyF5MKCS7GP2ChFBOiWXAK/bluestock-fintech-ui-ux-team?node-id=0-1&t=TJi1uTXBRn4HIK7P-1>

Check System Design: - <https://www.figma.com/board/g9bjreevYNJkfMwRacyaP/System-Design?t=rom7O3DRI5pdHkG-1>

Assets (Logo,SVG, PNG Etc : [https://drive.google.com/drive/folders/1yH9Y\\_mIqqEkZTzhqHSuFtEwFO8BXH5?usp=drive\\_link](https://drive.google.com/drive/folders/1yH9Y_mIqqEkZTzhqHSuFtEwFO8BXH5?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, Team Lead must create private repository for entire team member

## 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

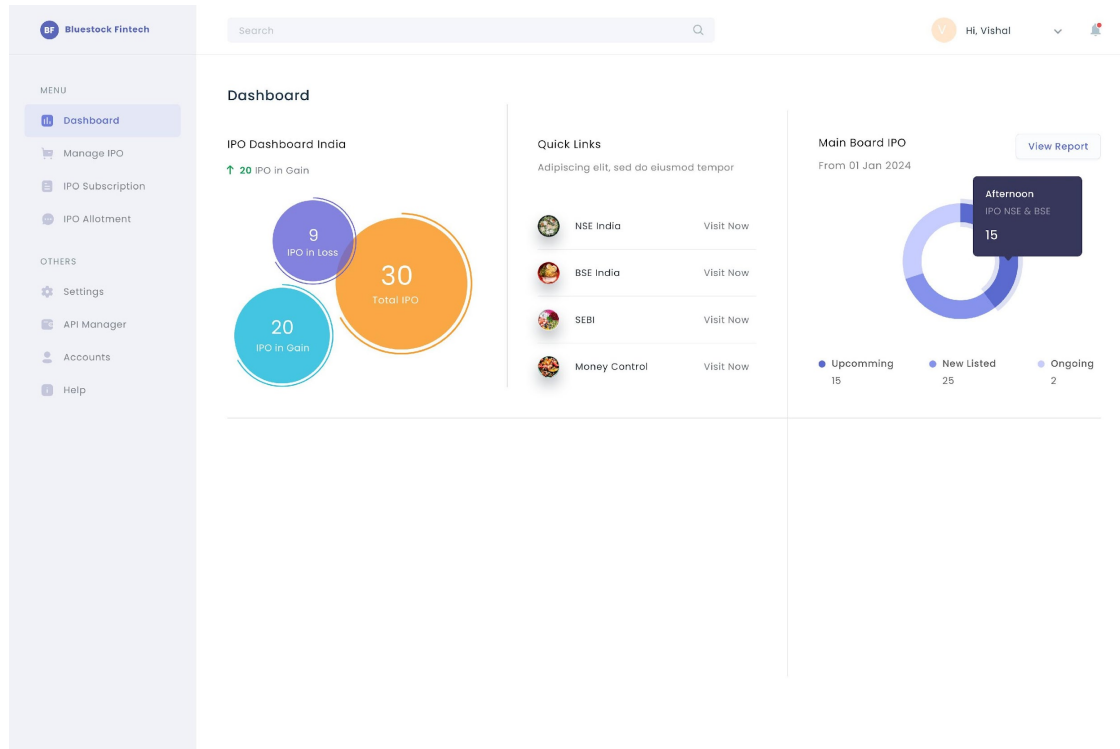
- Do not commit buggy or error-prone code.
- Thoroughly test your code on your local machine before committing.
- Commit changes to the main branch and push them.

## 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:





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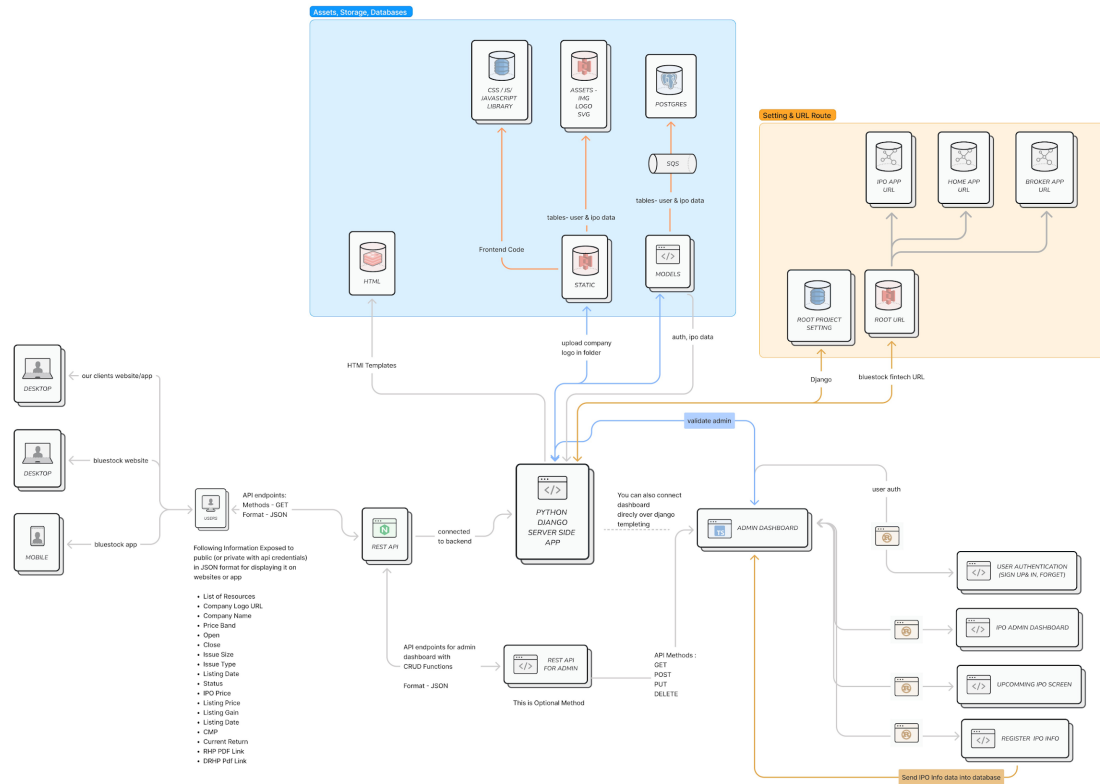
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[Create an account](#)

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

**System Design:**

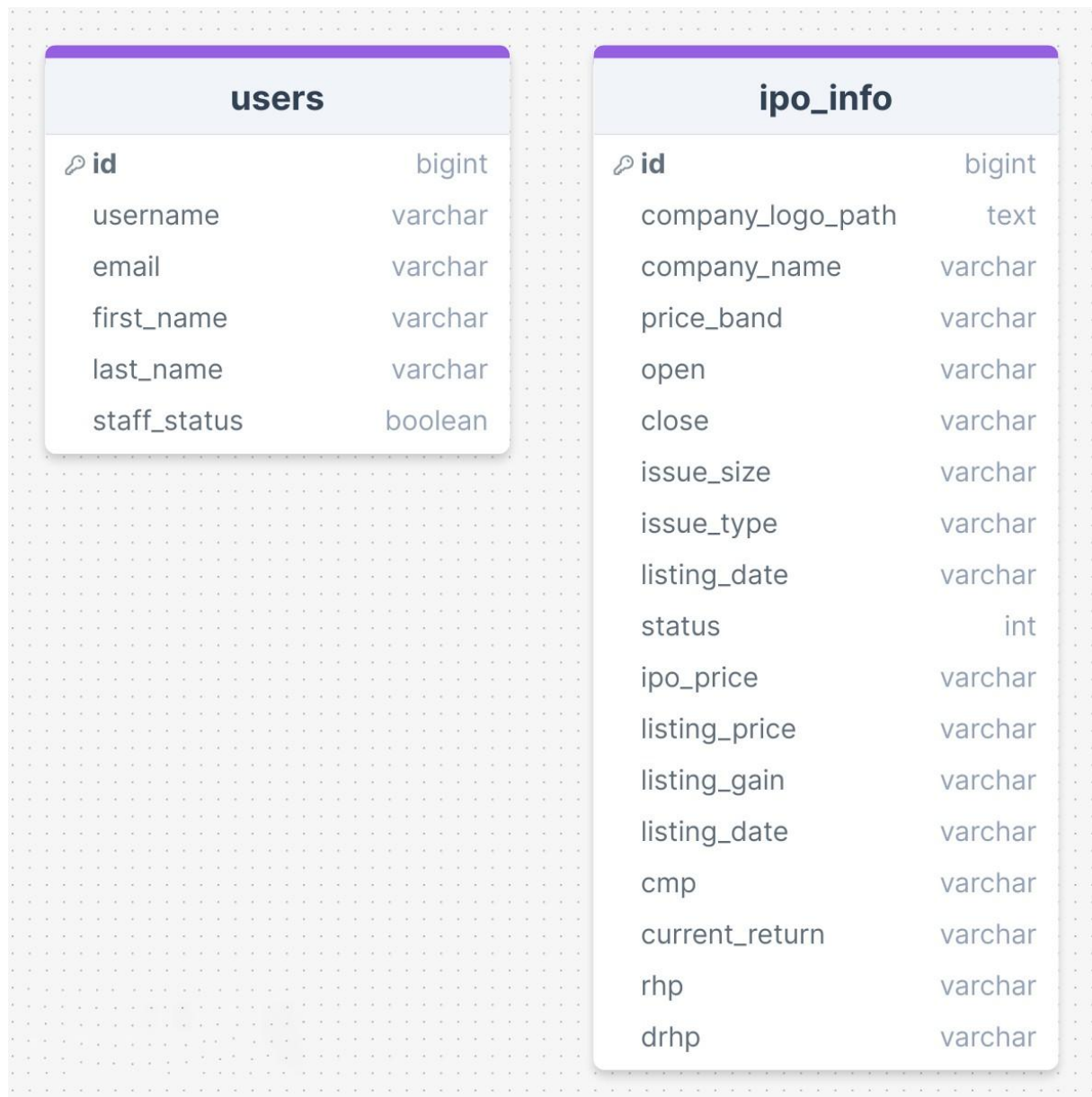


View More: - <https://www.figma.com/board/6Cev7rnYUMcVIS866hyChi/System-Design?node-id=0-1&t=047jjcbou4Pcltn2-1>

### Database Diagram:

User table already created Username- admin Password – admin

### User Flow:



-- Nil --