

DOMinators

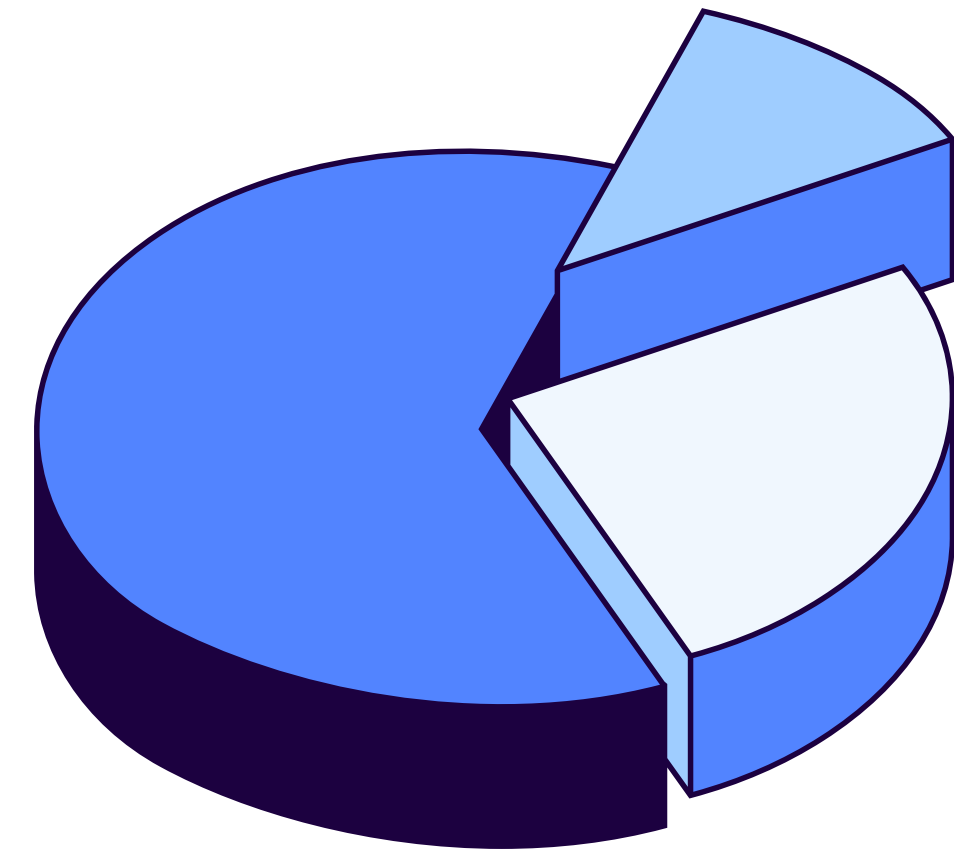
"1" + "2"

'12'

"1" - "2"

-1

That's Javascript for ya



Team-5



Our Team



Vasavi



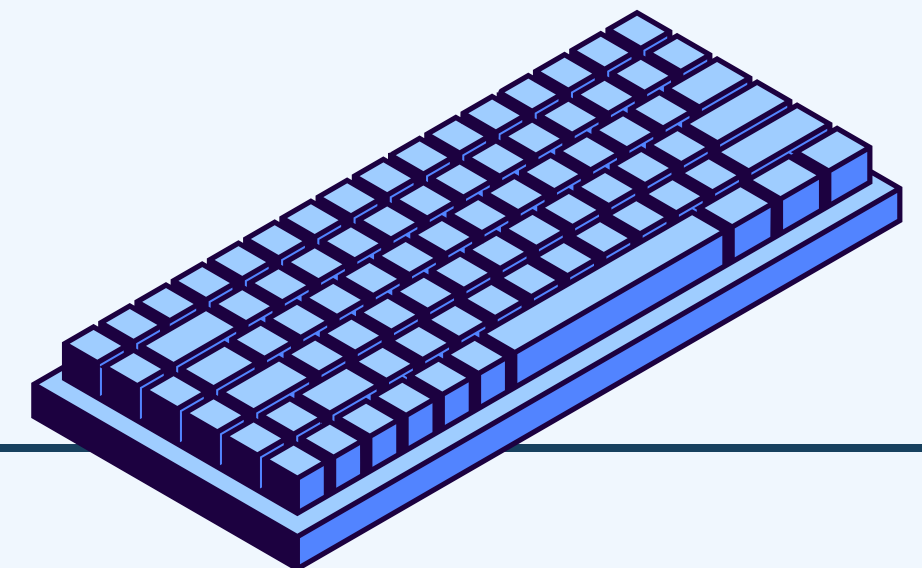
Samhita



Apurva



Ashish



The Problem



Scattered



Fragmented



Clunky UI



INVESTO

A unified platform for complete financial portfolio management.



Features



Track



Insights



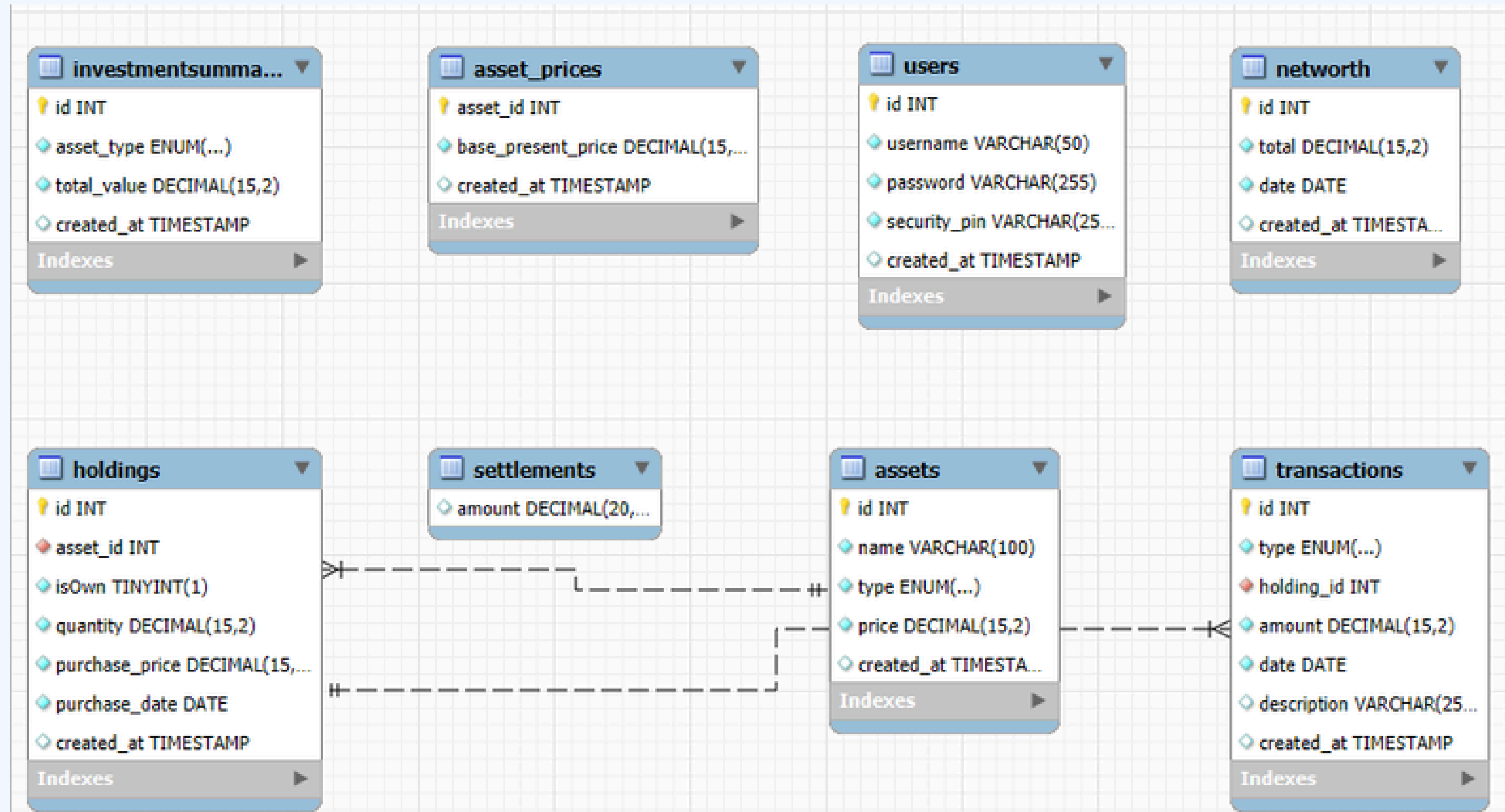
Purchase

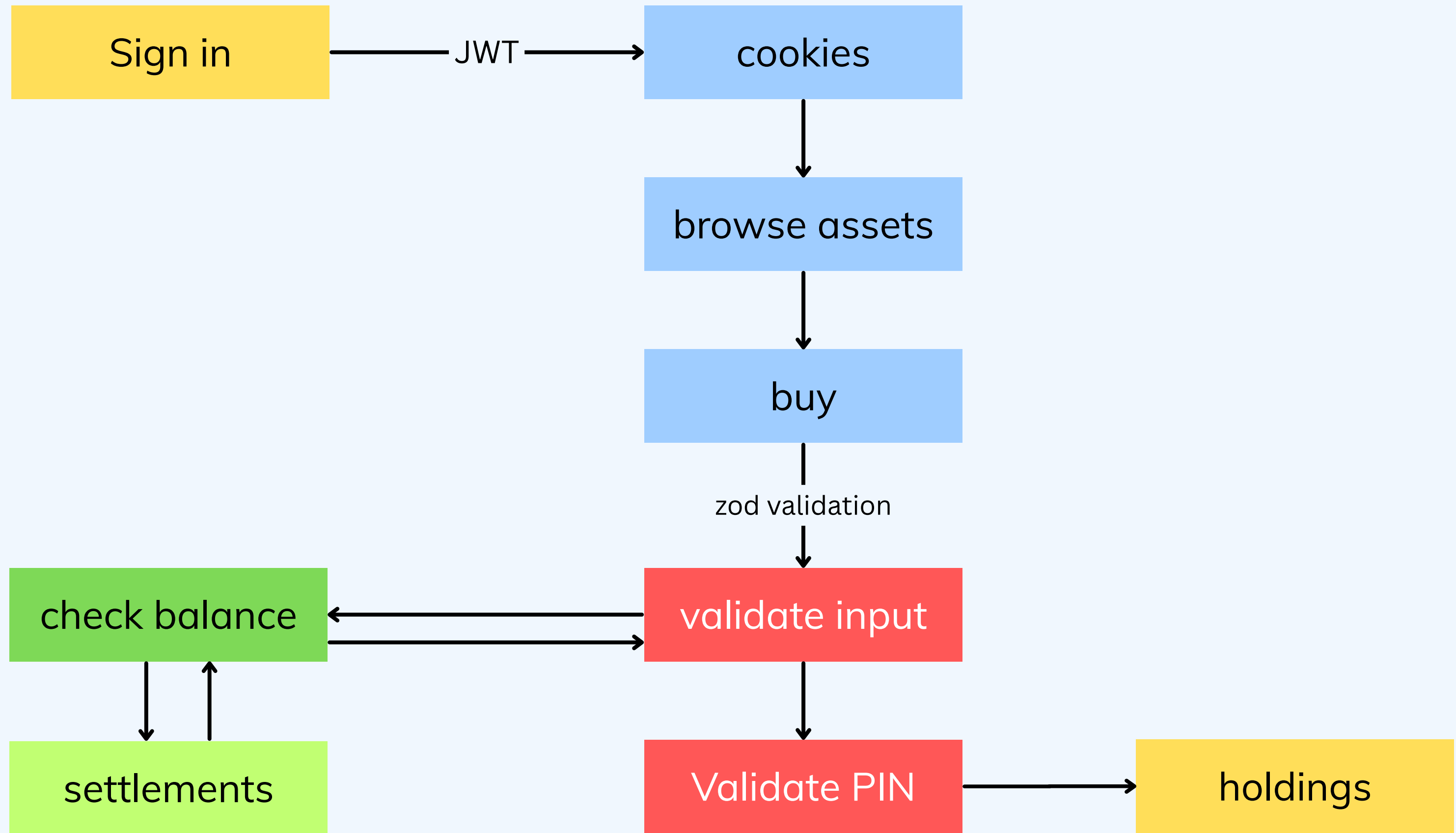


Manage

LIVE DEMO

Database Design





Frontend

✓ src

> assets

✓ components

> charts

> ui

⚙️ BrowseAssets.jsx

⚙️ Dashboard.jsx

⚙️ Holdings.jsx

⚙️ Transactions.jsx

> lib

⚙️ App.jsx

index.css

⚙️ main.jsx

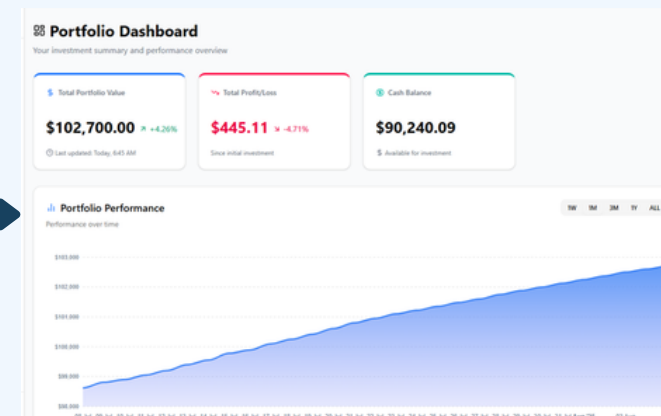
Browse Assets
Discover and invest in a wide range of financial instruments

Account Balance: **\$96,834.53**

Search assets... ▼ All Sort by

☐ Card View ☐ Table View

Asset Name %	Type	Price	Date Added	ID	Actions
Alphabet Inc. Class A	Stock	\$26.65	8/6/2025	1	Buy
Amazon.com Inc.	Stock	\$272.29	8/6/2025	4	Buy
Apple Inc.	Stock	\$139.84	8/6/2025	1	Buy
Berkshire Hathaway Inc. Class B	Stock	\$271.27	8/6/2025	5	Buy
Bitcoin	Other	\$26,163.39	8/6/2025	26	Buy
BlackRock Equity Dividend Fund	Mutual Fund	\$83.82	8/6/2025	15	Buy
Corporate Bond - Apple Inc.	Bond	\$98.65	8/6/2025	18	Buy



Your Holdings
Track and manage your investment portfolio

☐ Card View ☐ Table View

Search holdings... Sort by

Asset %	Quantity	Purchase Price	Current Price	Profit/Loss	Purchase Date	Total Value	Actions
Alphabet Inc. Class A	2	\$2,132.27	\$92.21	▼ \$4,082.02 (-95.68%)	Aug 06, 2025	\$4,206.54	Buy Again Sell Details
Apple Inc.	5	\$191.25	\$77.77	▼ \$97,465.48 (87%)	Aug 01, 2025	\$376.25	Buy Again Sell Details
Microsoft Corporation	5	\$842.55	\$859.53	▲ \$84.90 (+2.02%)	Aug 05, 2025	\$4,212.75	Buy Again Sell Details

Showing 3 of 3 holdings \$ Total Portfolio: \$9,455.34

Transaction History
Track and review your financial activities

Total Activity: **\$3,165** Transactions

Investments: **\$3,165** Cashier investments

Withdrawals: **\$0** Cashier withdrawals

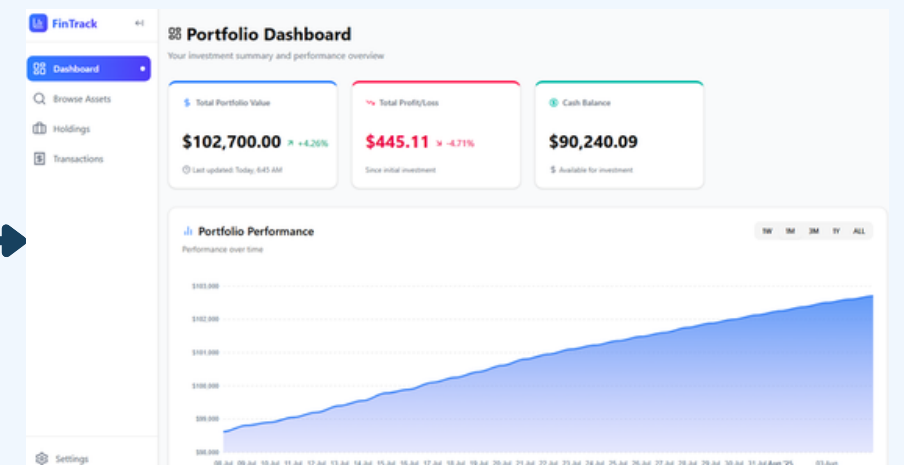
Net Value: **\$3,165** Total cash flow

☐ Table View ☐ Card View

Search transactions... ▼ All Types All Time Sort by

Showing 9 of 9 transactions

Date P	Type	Description	Amount
Aug 05, 2025 01:1	Investment	Purchased 2 units of Alphabet Inc. Class A	\$406.08
Aug 05, 2025 01:2	Investment	Purchased 1 units of Amazon.com Inc.	\$271.49
Aug 05, 2025 01:3	Investment	Purchased 1 units of Apple Inc.	\$1,046.62
Aug 05, 2025 01:4	Investment	Purchased 1 units of Berkshire Hathaway Inc. Class B	\$269.74
Aug 05, 2025 01:5	Investment	Purchased 1 units of BlackRock Equity Dividend Fund	\$25.36



App.jsx

Buy Asset Flow Logic

```
import { z } from 'zod';

export const assetSchema = z.object({
  id: z.number().int().positive(), // Asset ID must be a positive integer
  name: z.string().min(1, 'Name is required'), // Name must be a non-empty string
  type: z.enum(['Stock', 'Mutual Fund', 'Bond', 'Cash', 'Other']),
  price: z.number().nonnegative(), // Price must be a non-negative number
  created_at: z.string().optional(), // Optional timestamp
});
```

Asset Schema

2

DOMinators / Holdings / Buy an asset

POST http://localhost:3000/api/holdings/buy

Params Authorization Headers (10) Body Scripts Settings

none form-data x-www-form-urlencoded raw binary GraphQL

```
1 {
2   "asset_id": 2,
3   "quantity": 10
4 }
```

CORS

5

1

API

4

```
import { assetSchema } from '../schemas/assetValidation.js';
import { holdingsSchema } from '../schemas/holdingsValidation.js';
import { transactionSchema } from '../schemas/transactionValidation.js';
import pool from '../config/db.js';
import { parse } from 'dotenv';

export const buyAsset = async (req, res) => {
  const { asset_id, quantity } = req.body;

  try {
    // Start transaction
    const connection = await pool.getConnection();
    await connection.beginTransaction();

    try {
      // 1. Check if asset exists and get its price
      const [asset] = await connection.query(
        'SELECT * FROM assets WHERE id = ?',
        [asset_id]
      );

      if (asset.length === 0) {
        await connection.rollback();
        return res.status(404).json({ message: 'Asset not found' });
      }

      const [existingHolding] = await connection.query(
        'SELECT * FROM holdings WHERE asset_id = ? AND isOwn = true',
        [asset_id]
      );

      let holdingId;

      if (existingHolding.length > 0) {
        const oldQty = parseFloat(existingHolding[0].quantity);
        const oldPrice = parseFloat(existingHolding[0].purchase_price);
        const newQty = oldQty + quantity;
        const newAvgPrice = ((oldQty * oldPrice) + (quantity * asset[0].price)) / newQty;

        const newHolding = {
          asset_id,
          quantity: newQty,
          purchase_price: newAvgPrice,
          isOwn: true,
        };

        await connection.query(
          'UPDATE holdings SET quantity = ?, purchase_price = ? WHERE id = ?',
          [newQty, newAvgPrice, existingHolding[0].id]
        );
        holdingId = existingHolding[0].id;
      } else {
        const newHolding = {
          asset_id,
          quantity,
          purchase_price: asset[0].price,
          isOwn: true,
        };

        await connection.query(
          'INSERT INTO holdings (asset_id, quantity, purchase_price, isOwn) VALUES (?, ?, ?, ?)',
          [asset_id, quantity, asset[0].price, true]
        );
        holdingId = connection.insertId;
      }

      await connection.commit();

      // 2. Return success response
      return res.status(200).json({
        message: 'Asset purchased successfully',
        holdingId,
      });
    } catch (error) {
      await connection.rollback();
      return res.status(500).json({ message: 'Transaction failed' });
    }
  } catch (error) {
    return res.status(500).json({ message: 'Server error' });
  }
};
```

Controller

Purchase Asset

Review the details before proceeding with your purchase.

Alphabet Inc. Class A

Unit Price \$2,038.60

Quantity 1

Total Price \$2,038.60

Available Balance: \$89,566.48

Cancel Confirm Purchase

Buy Asset

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Your Holdings

Track and manage your investment portfolio

Card View Table View

Search holdings...

Asset %	Quantity	Purchase Price	Current Price	Profit/Loss	Purchase Date	Total Value	Actions
Alphabet Inc. Class A	2	\$2,133.27	\$92.21	~\$4,082.12(-95.68%)	Aug 06, 2025	\$4,266.54	Buy Again Sell Details
Apple Inc.	5	\$195.25	\$77.77	~\$587.40(-60.17%)	Aug 01, 2025	\$976.25	Buy Again Sell Details
Microsoft Corporation	5	\$842.55	\$859.53	~\$84.90(+2.02%)	Aug 05, 2025	\$4,212.75	Buy Again Sell Details

Showing 3 of 3 holdings

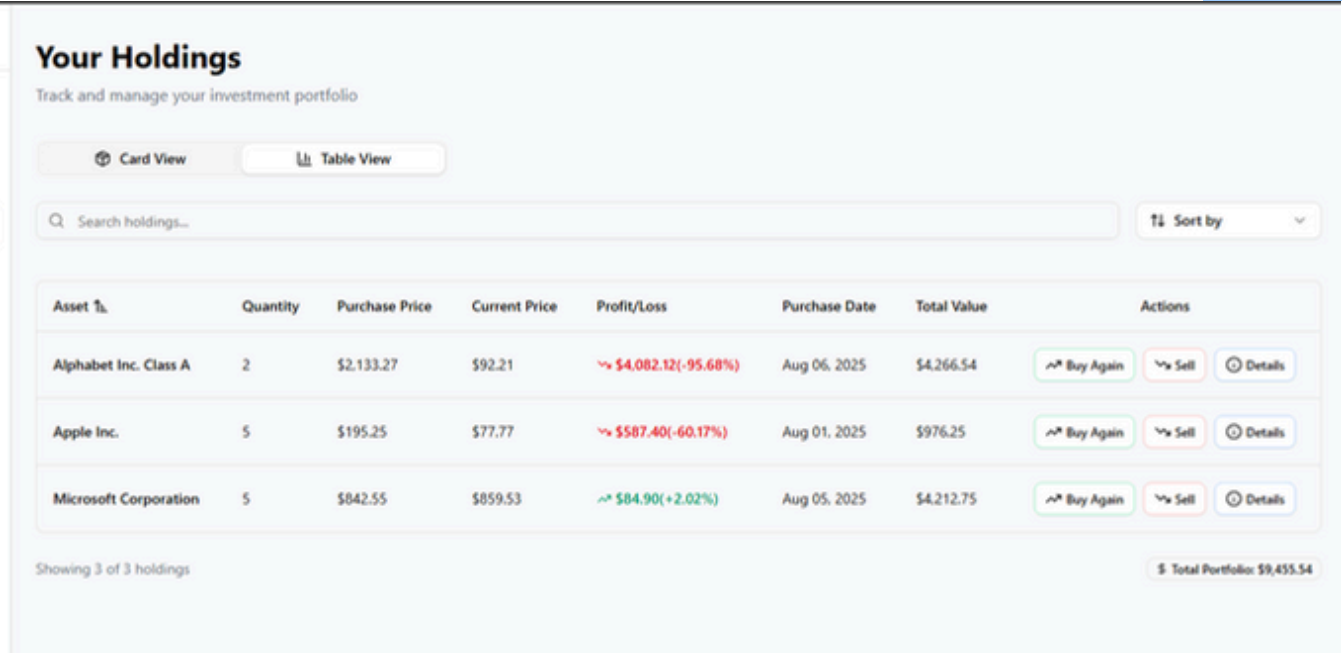
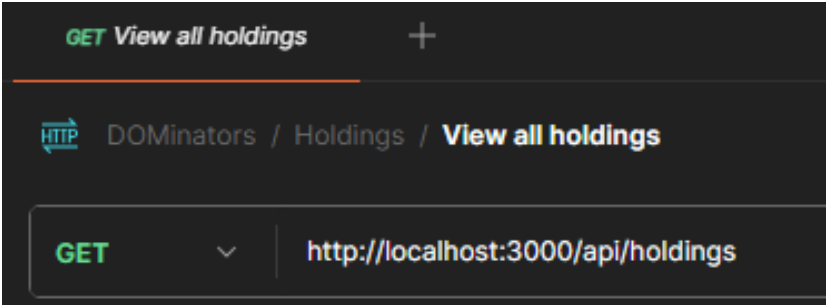
Total Portfolio: \$9,435.54

Holdings

Tech Stack



Express.js



SELECT * FROM portfolio.holdings;

	id	asset_id	isOwn	quantity	purchase_price	purchase_date	created_at
▶	1	1	1	5.00	195.25	2025-08-01	2025-08-01 08:50:14
	2	2	1	5.00	842.55	2025-08-05	2025-08-05 08:31:16
	3	5	0	0.00	2159.05	2025-08-06	2025-08-06 04:14:52
	4	5	1	2.00	2118.73	2025-08-07	2025-08-07 06:03:52
	5	4	1	1.00	842.54	2025-08-07	2025-08-07 06:07:16
*		NULL	NULL	NULL	NULL	NULL	NULL

```
export const viewAllHoldings = async (req, res) => {
  try {
    const [holdings] = await pool.query(
      `SELECT h.id, a.name, h.quantity, h.purchase_price, h.purchase_date
      FROM Holdings h
      JOIN Assets a ON h.asset_id = a.id
      WHERE h.isOwn = true`
    );

    if (holdings.length === 0) {
      return res.status(404).json({ message: 'No holdings found' });
    }

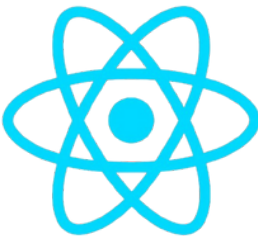
    res.status(200).json(holdings);
  } catch (error) {
    console.error('Error fetching holdings:', error);
    res.status(500).json({ message: 'Internal server error' });
  }
};
```



MySQL



Node.js

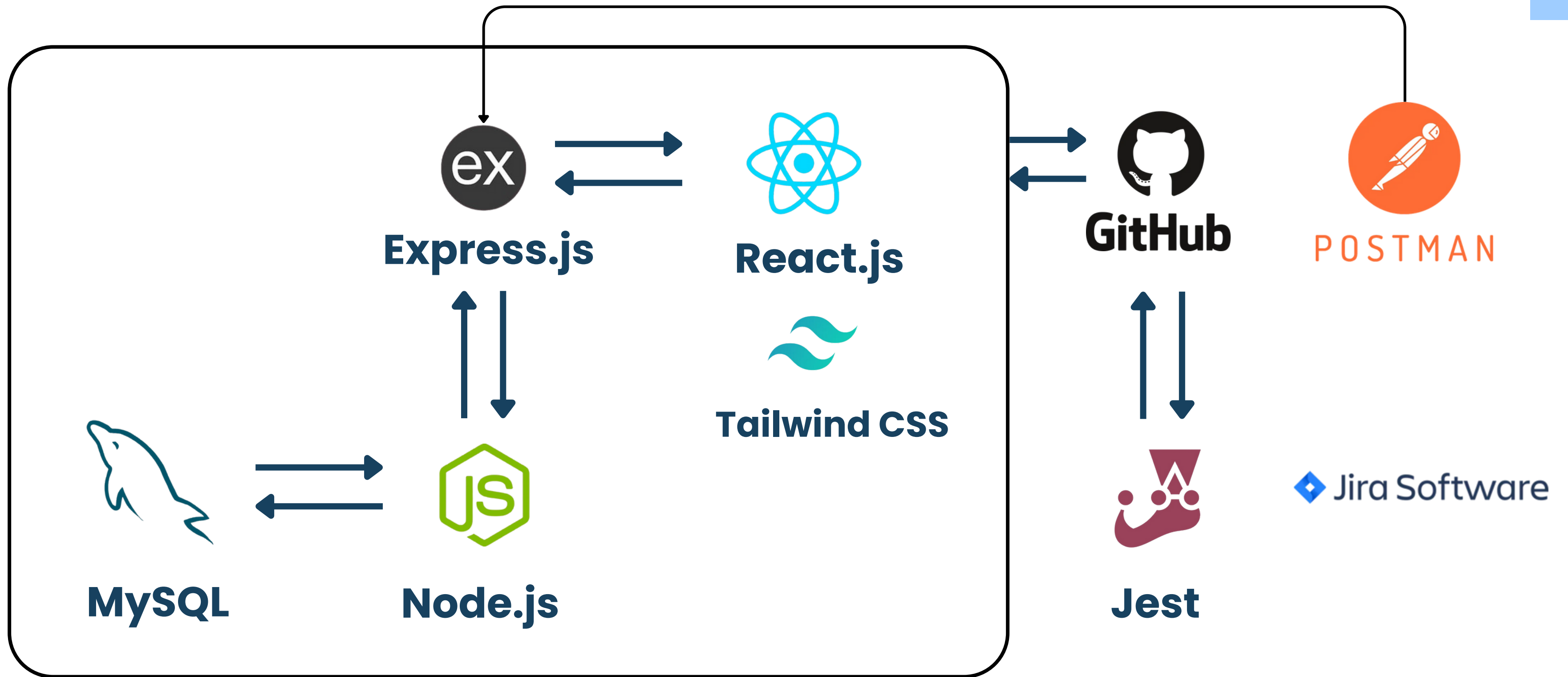


React.js



Tailwind CSS

Tech Stack



Future Enhancements



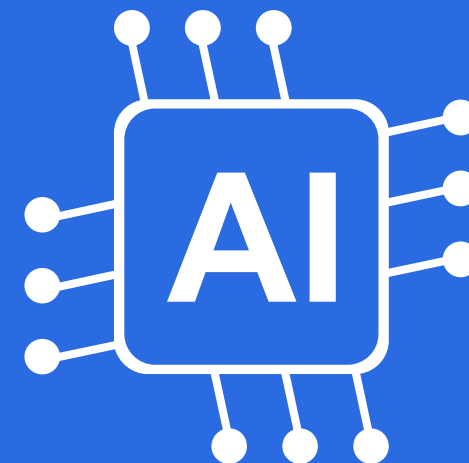
Notifications



**More Users
& Personalization**



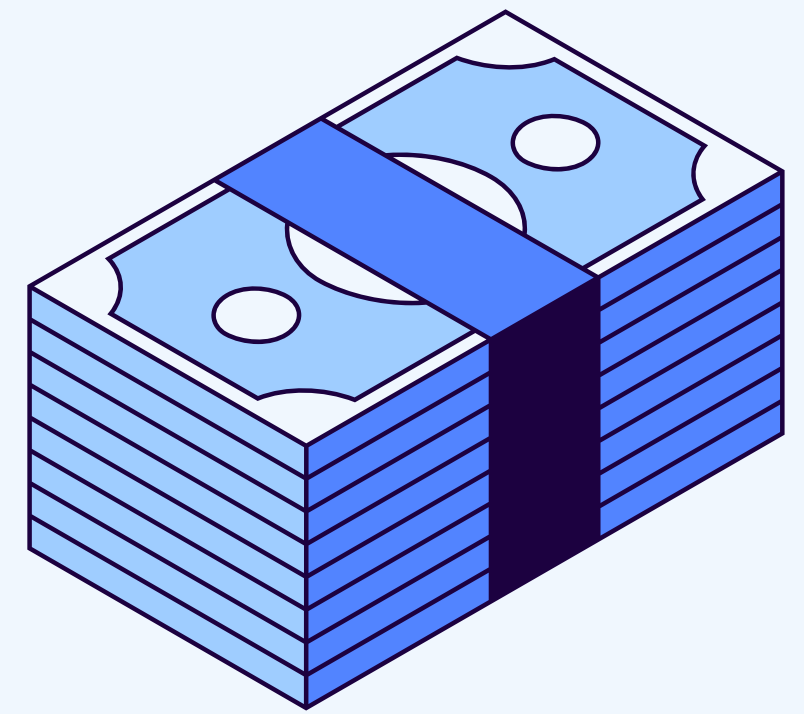
**Real-time
stock Prices**



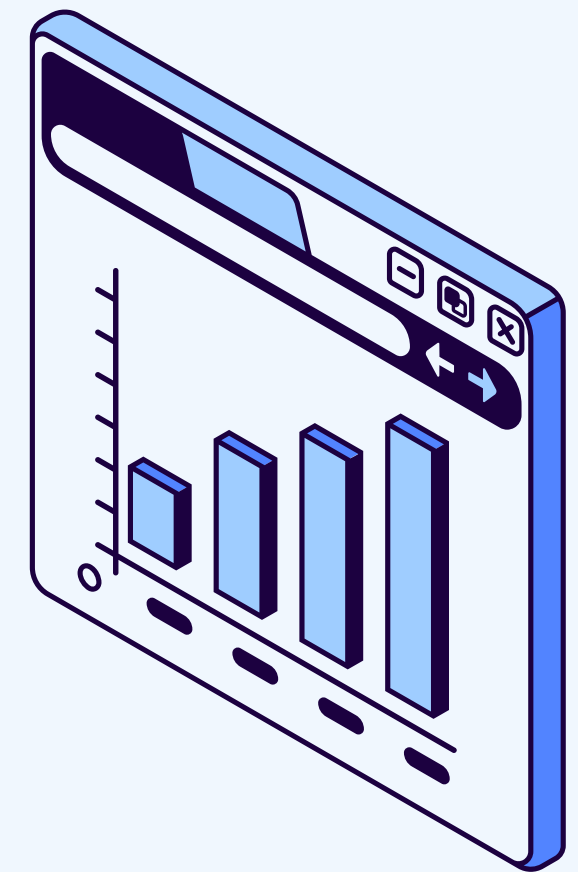
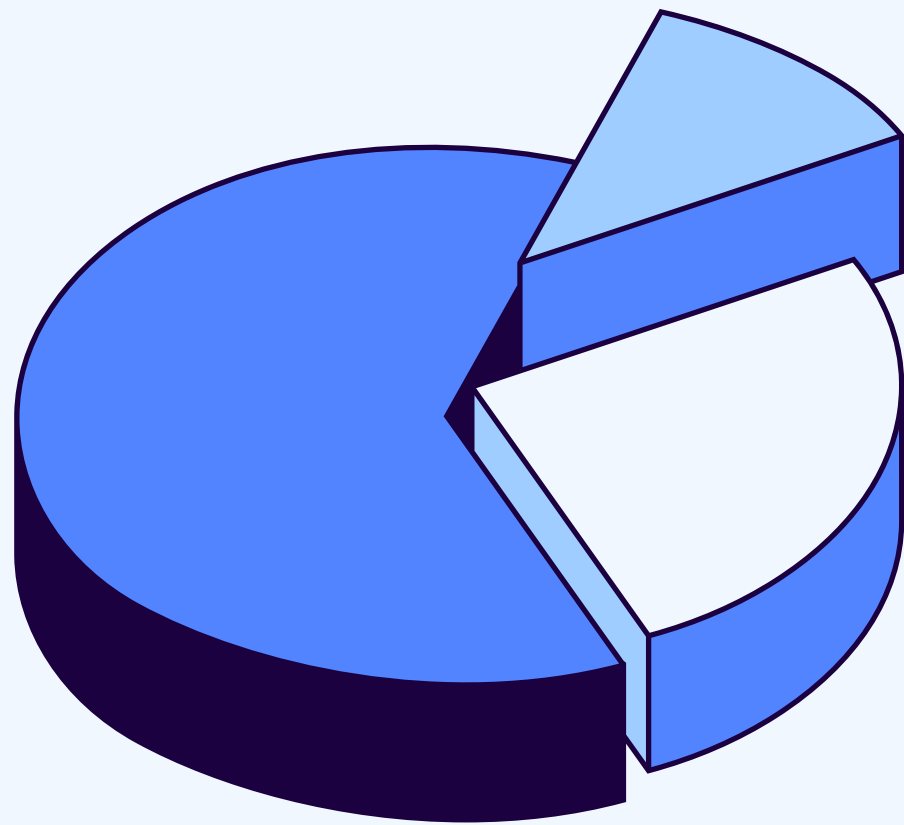
**Stock Prediction
& Recommendations**

Summary

Designed a unified dashboard	To simplify asset tracking and access
Secured login and transactions	To ensure user trust and data integrity
Built modular backend architecture	To ensure scalability and future flexibility
Delivered modern UI	To improve usability and onboarding



Thank You



Open for Questions

