PERSONAL FINANCE APP



PRESENTATION

- INTRODUCTION
- BACKEND
- FRONTEND
- TECH DEMO
- CHALLENGES FACED
- LESSONS LEARNED

INTRODUCTION

EFFICIENT ACCOUNT MANAGEMENT



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TECHNOLOGIES

- Java 22
- Spring Boot 3.3.1
- Spring Data JPA
- Spring MVC
- PostgreSQL



accounts

123 account_id

123 apr

123 balance

123 credit_limit

loan_disbursement_date

Ioan_repayment_date

123 min_monthly_payment

123 principal

123 user_id_user_id

ABC account_name

ABC account_type

== transactions

12 transaction_id

123 account_id

123 amount

recurring

123 related_transaction_id

transaction_date

ABC description

ABC recurring_frequency_type

ABC transaction_type

== users

123 user_id

ABC email

ABC first_name

ABC last_name

ABC password



TECHNOLOGIES

- React 18.3.1
- React Bootstrap 2.10.4
- Axios 1.7.2
- React Router DOM 6.24.1



TECH DEMO

PERSONAL FINANCE APP

CHALLENGES FACED

- Lost team members
- Git merging issues / version control
- NavBar state refresh / update issues
- Transactions not updating account balance
- Configuring Spring default schema when multiple schemas exist on a single DB

LESSONS LEARNED

- 1. Power of communication.
- 2. Organize overall design of DB & Backend models.
- 3. Seeing the full-stack picture.

THANK YOU

Q&A

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