Group 2

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PERSONA

BRIAN, 29

Key Account
Exec in an MNC

"I'd like to learn new skills but I'm tired from work and don't have time."

"I'm very interested in crypto but I don't know nearly enough."

"I want to start a business someday but that's a huge what if."

"I believe I should save up for that future. I won't be working forever."

WHAT IS FinLearn?

CURATED

courses to meet requirements

SHORT

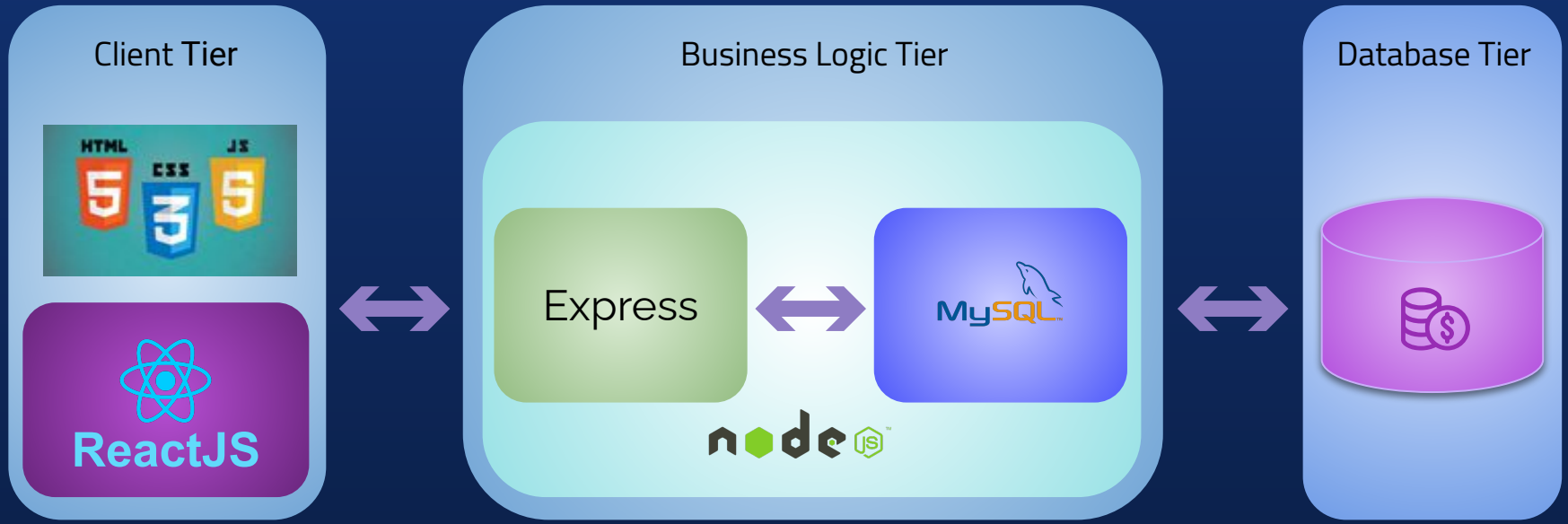
duration
5 - 15 mins

INCENTIVES

earn LTE tokens

DEMO

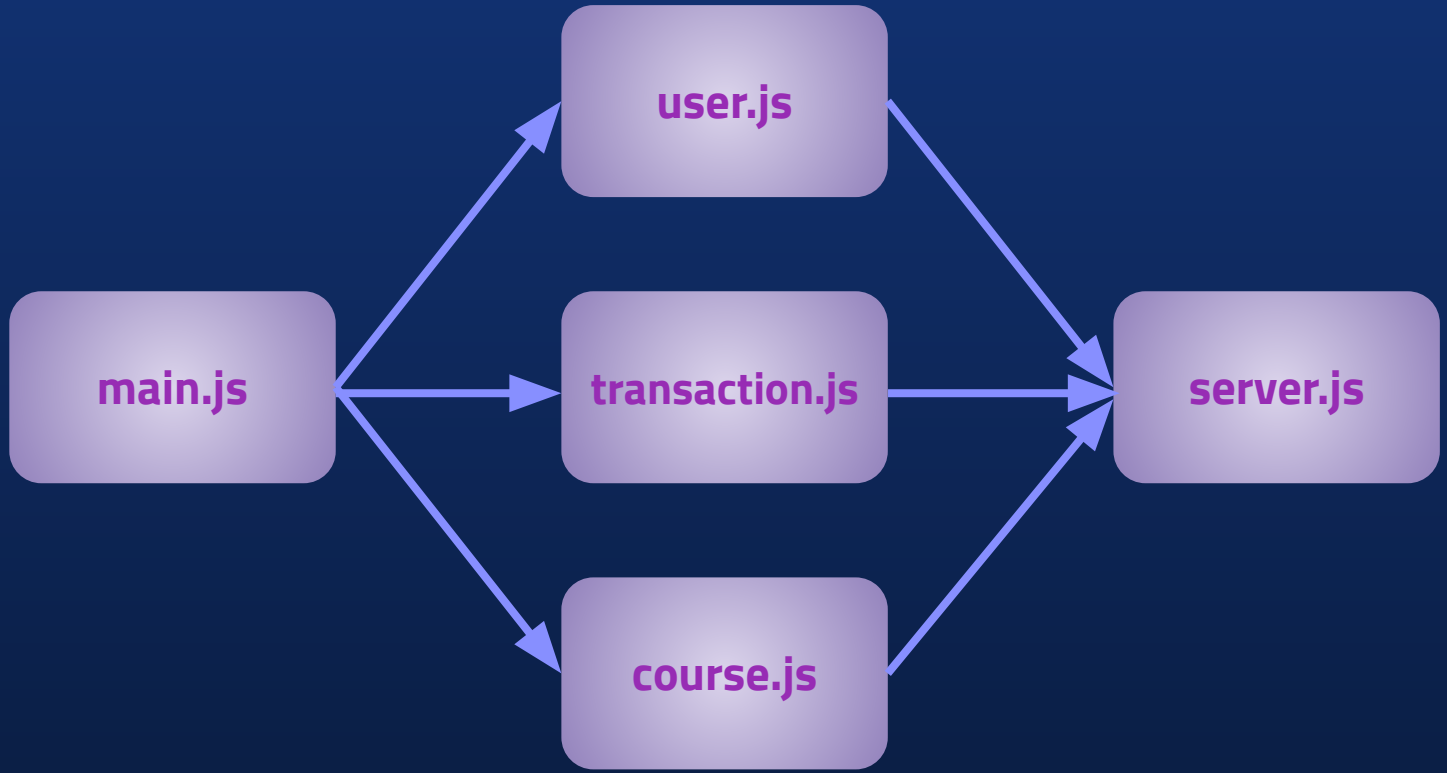
TECHNOLOGY STACK



ER DIAGRAM

user
id varchar(40)
name varchar(50)
email varchar(50)
signup timestamp
verified boolean(1)
wallet integer(11)
transactions
id integer(5)
signup timestamp
completed timestamp
user varchar(40)
course varchar(14)
course
id varchar(14)
title varchar(100)
category varchar(50)
description varchar(1000)
objective varchar(2000)
duration float
provider varchar(50)
provider_info varchar(800)
earnings integer(11)
image_link varchar(200)
video_link varchar(200)

PROJECT ORGANISATION



DOCUMENTATION & REPOSITORY

- FinLearn (getpostman.com)
- https://github.com/derekpung/FinLearn-FrontEnd.git
- https://github.com/derekpung/FinLearn-BackEnd.git

API JOURNEY

/profile

Check whether user exist:
Get /user/by-uid

If user does not exist:
Post /user/add

To display completed courses:
Get /transaction/status/by-user-complete

/

Landing page for Auth0 login

/explore

Show courses:
Get /course/all

/explore/course?id=

Show course details:
Get /course/by-cid

Add transaction if start button clicked:
Post /transaction/add/by-uid-cid

/explore/classroom?id=

Show course video and completion button:
Get /course/by-cid

Upon completion, update transaction and wallet:
Put /transaction/update/by-uid-cid
Put /user/wallet/update/by-uid-cid

WENT WELL

local database with basic information

connectivity through API to show **wallet balance**

usage of SkillsFuture **API** for course information

development and sharing of code through **GitHub**

DIDN'T WENT WELL

inclusion of **quiz table** to show results after course completion

Mechanism for **error validation**

show **profile details** about course providers and mentors

not enough time to work on the **aesthetics** of the app

WHAT WOULD WE HAVE DONE DIFFERENTLY?

More APIs

Incorporate APIs from various different course providers

Additional Tables

Enhanced database with more tables - enrollment, quiz, mentors etc.

Database on Cloud

Host the database on Cloud allowing pilot users to access and test

FUTURE ENHANCEMENTS

TOKENS

API Connectivity with **Crypto Wallet** to manage LTE tokens

SECURITY

Usage of **Auth0** with **2FA** for secure access

CONTENT

Expand the **range of course** available

USER EXPERIENCE

Enhance the **UI/UX** of the app

THANKS

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