

Order of the cohort content:

(<https://quickest-juniper-f9c.notion.site/Cohort-2-0-FullStack-Open-Source-6b6c2a9f1282499aba4782b88bf7e204>)

Week 0.1 - Introduction, Settings up IDE

Week 0.2 - HTML basic (Tags, Attributes)

Week 0.3 - CSS Basic

Week 1.1 - Orientation Class

Week 1.2 - Javascript Foundation

Assignment : LINK (<https://github.com/100xdevs-cohort-2/assignments>)

Assignment Answer : LINK

(https://github.com/HarshDev56/100xDevs_MERN_assignments/tree/master/01-js)

How to solve assignment

Week 1.3 - Offline class | Basic JS APIs

Assignment : LINK

(<https://github.com/100xdevs-cohort-2/assignments/tree/master/week-1/offline-class-1>)

Week 1.4 | Loops, Functions, Callback functions

Week 1.5 - Async functions, Promises and async await

Week 2.1 - Promises and async JS revision, doubt session (Zoom upload)

Assignment: Link (<https://github.com/100xdevs-cohort-2/assignments>)

Week 2.2 | Express and Backend (Zoom upload)

Week 2.3 - Bash and terminal

Week 2.4 - Bash and Terminal (Advance)

Week 2.5 - Express basics

Week 2.6 - map, filter, arrow fns

Week 2.7 - Git basics to advance

Week 3.0 - Pre Recorded.zip

Week 3.1 - Middlewares, global catches and zod

Week 3.2 - Dynamic backend Authentication using Express, JWT and monogodb

Week 3.3 - Databases and Authentication

Week 3.4 - JWT and Auth Recap And Assignment

Week 3.5 - DOM Introduction

Week 4.1 - DOM Introduction/DOM Introduction.pdf

Week 4.2 - React Foundation/React Foundation.pdf

Week 4.3 - Mongo Deep dive, Assignments

Week 5.1 - React Foundation/pdf

Week 5.2 - React Project (Todo app)

Week 6.1 - React Deeper Dive/pdf

Week 6.2 - useEffect, useCallback, useMemo/pdf

Gist 1: <https://gist.github.com/hkirat/178abff7b3bc80af5878be7b9a3b7d69>

Gist 2: <https://gist.github.com/hkirat/670b1aae58fede6400e6e897907cf99f>

[Ad-hoc] O. Ad-hoc GSOC contribution

[Ad-hoc] 1. Next.js

[Ad-hoc] 2. Processing (p5.js) setup and issue solving

[Ad-hoc] 3. Processing (p5.js) setup and issue solving

[Ad-hoc] 4. P5.js web editor configuration

PDF

Week 6.3 - Recap of everything in react, Intro to useRet

Week 6.4 - Assignment solutions

Week 7.1 - Context, prop drilling

Week 7.1 - Routing , Prop drilling & Context API.pdf

Slides: <https://appx-recordings.s3.ap-south-1.amazonaws.com/drm/100x/slides/7.1.pdf>

Links:

1. <https://reactrouter.com>

2. <https://react.dev/learn/passing-data-deeply-with-context>

3. <https://gist.github.com/hkirat/24c877cf7ffecf92f1b759b66987553a>

4. <https://github.com/hkirat/week-7-messed-up-code>

5. <https://gist.github.com/hkirat/97aaab4d15839260e83a0f337a069254>

6. <https://gist.github.com/hkirat/a4af9c6d50c97056de767a9336bbc326>

Week 7.2 Context API, State Management & Recoil

Slides: <https://appx-recordings.s3.ap-south-1.amazonaws.com/drm/100x/slides/7.2.pdf>

Slides(drive link):

https://drive.google.com/drive/folders/1SLaviFQJ7_QjT335G_R8WLUYj5lqU3UH?usp=sharing

Week 7.3 - Recoil Deep dive/Week 7.3 Assignment.pdf

Week 8.0 - Week 12.2 - Tailwind, flex, react recap (27th Aug)

Week 8.1 - Tailwind class - Cohort 2/pdf

Optional - Near Hackathon Live video

Week 8.2 - Recap everything, build PayTM

Github Repo: <https://github.com/100xdevs-cohort-2/paytm>

Step 1 - What are we building, Clone the starter repo -

<https://daily-code-web.vercel.app/tracks/43XrfL4n0LgSnTkSB4rO/JLaLbhDuYn3h5Cn7WJu1>

Step 2 - User Mongoose schemas -

<https://daily-code-web.vercel.app/tracks/43XrfL4n0LgSnTkSB4rO/QDisg3v6Fo9r08H6NsSd>

Step 3 - Create routing file structure -

<https://daily-code-web.vercel.app/tracks/43XrfL4n0LgSnTkSB4rO/FfwLQnPJ1X8IYVID9jWK>

Step 4 - Route user requests -

<https://daily-code-web.vercel.app/tracks/43XrfL4n0LgSnTkSB4rO/h1hLjwe0a1xMr6u3vGum>

Step 5 - Add cors, body parser and jsonwebtoken -

<https://daily-code-web.vercel.app/tracks/43XrfL4n0LgSnTkSB4rO/blkezvqKLfkz68HuR6oV>

Step 6 - Add backend auth routes -

<https://daily-code-web.vercel.app/tracks/43XrfL4n0LgSnTkSB4rO/dU95T6v7bABcJJ0hkpxB>

Step 7 - Middleware -

<https://daily-code-web.vercel.app/tracks/43XrfL4n0LgSnTkSB4rO/GJhoyrUXxMtRwifTjQlu>

Step 8 - User routes -

<https://daily-code-web.vercel.app/tracks/43XrfL4n0LgSnTkSB4rO/v25lmvmuWbrznZ7mNtBE>

Step 9 - Create Bank related Schema -

<https://daily-code-web.vercel.app/tracks/43XrfL4n0LgSnTkSB4rO/Lfskl6lnkcMQ7Qh2G1dX>

Step 10 - Transactions in databases -

<https://daily-code-web.vercel.app/tracks/43XrfL4n0LgSnTkSB4rO/K75ugS1CTmQKqylgkwyu>

Step 11 - Initialize balances on signup -

<https://daily-code-web.vercel.app/tracks/43XrfL4n0LgSnTkSB4rO/4ut0ByLQEEpZPR5jJur1>

Step 12 - Create a new router for accounts -

<https://daily-code-web.vercel.app/tracks/43XrfL4n0LgSnTkSB4rO/3bVQvEcIVhPJnM3sd11K>

Step 13 - Balance and transfer Endpoints -

<https://daily-code-web.vercel.app/tracks/43XrfL4n0LgSnTkSB4rO/heWTf4Qw2ebu8MRaQv5C>

Step 14 - Checkpoint your solution -

<https://daily-code-web.vercel.app/tracks/43XrfL4n0LgSnTkSB4rO/L5aGnQuku8Az1CDNwGNQ>

Step 15 - Add routing to the react app -

<https://daily-code-web.vercel.app/tracks/43XrfL4n0LgSnTkSB4rO/Blpjr0wEF1X4UIrj6QVR>

Step 16 - Create and hook up Signup page -

<https://daily-code-web.vercel.app/tracks/43XrfL4n0LgSnTkSB4rO/T7tg4KCd9L6ETGYQe8le>

Step 17 - Create the signin page -

<https://daily-code-web.vercel.app/tracks/43XrfL4n0LgSnTkSB4rO/VpLt1WcZdNSvRiL3nj3J>

Step 18 - Dashboard page -

<https://daily-code-web.vercel.app/tracks/43XrfL4n0LgSnTkSB4rO/35da4F5wuJZICLTkBIVI>

Week 8.2 - LIVE RECORDING

Week 8.3 - Axios vs Fetch

Week 8.4 - PayTM Frontend

Week 9.1 - Custom Hooks

Week 9.2 - Typescript Intro

Week 9.3 - Typescript Continued

10.0.1 Cohort 1 Postgres video

10.0.2 Cohort 1 Prisma Video

Week 10.1 - Postgres SQL Cohort 2

Week 10.2 - Prisma ORM

Assignments For week 10

<https://github.com/100xdevs-cohort-2/assignments/tree/master/week-10>

Week 11.1 - Serverless Back-ends | cloudflare workers

Week 11.2 - AWS EC2 | Deploying on VPS

Week 12.1 - Deploying frontend projects on AWS

Week 12.2 - Advance TypeScript

Week 12.3.1 - (From old cohort) | Deploy NPM Projects and Introduction to Monorepos

Week 12.3.2 - Docker

Week 12.3 - Advance SQL - Relationships and Joins

Week 12.5 - ORMs Recap, Relationships in Prisma
Week 12.6 - Connection Pooling in Serverless Backend Environments
Week 13.1 - Project- Medium
Week 13.2 - QNA
Week 13.3 - Medium Backend
Week 13.4 - Medium Frontend
Week 14.1 - Intro to Nextjs
Week 14.2 - Nextjs Backend
Week 14.3 - Nextjs Backend Part - 2
Week 15.1 - Introduction To Docker
Week 15.2 - Docker Part 2
Week 15.3 - Docker - compose, push, execute
Week 15.4 - Docker Bind Mounts
Week 16.1 - Monorepos
Week 16.2 - Monorepo Part 2
Week 16.2.1 - Auth using cookies
Week 16.2.2 - Auth using Authjs
Week 17.1 - Paytm Project Part 1
Week 17.2 - PayTM Project Part 2
Week 18.1.1 - Paytm Project Part 3.1 (High quality)
Week 18.1.2 | Paytm Project Part 3.2
Week 18.2 | CI/CD | Paytm Project Part 4
Week 19.0.1 | Nextjs Middlewares (Recorded)
Week 19.0.2 | Nextjs CSR and SSG (Recorded)
Week 19.3 | Advance backend Comm, Web sockets
Week 19.4 | Redis, Pub subs and Queues

1-100 Orientation Class

Week 20.1 | OpenApi Spec (Recorded) from 0-1 syllabus
Week 20.2 | OpenApi Spec from Old Cohort
Week 21.1 | DDos, Rate limiting
Week 21.2 | Singleton pattern and Pub subs
Week 22.1 | Capacity estimation, Horizontal and Vertical Scaling | Scaling Node js and ASGs
Week 22.2 | Auto Scaling Groups
Week 22.3 | Indexing in databases
Week 24.4 | Normalisation in Databases
Week 23.1 | Webrtc
Week 23.2 | Webrtc, Setting up project, 0-1 Farewell
Week 24.1 | GRPC
Week 24.2 | MERN testing
Week 24.3 | Testing From Scratch (Offline Recorded Video)
Week 25.1 | Integration and End to End Tests
Week 26.1 | Monitoring, Logging etc.
Week 26.2 | Prometheus and Grafana
Week 26.1 | Monitoring, Logging and Newrelic
Week 26.2 | Prometheus and Grafana
Week 26.3 | Monitoring using Prometheus and Grafana Part 2
Week 26.4 | Monitoring using Prometheus and Grafana Part 2
Week 27.1 | Kubernetes Part 1
Week 27.2 | Kubernetes Part 2
Week 28.1 | Kubernetes Part 3
Week 28.2 | Kubernetes Part 4
Week 29.1 | Kubernetes Part 5
Week 29.2 | Kubernetes Part-6 (HPA, Node Autoscaling)
Week 30.1 | Exchange Project Part-1

