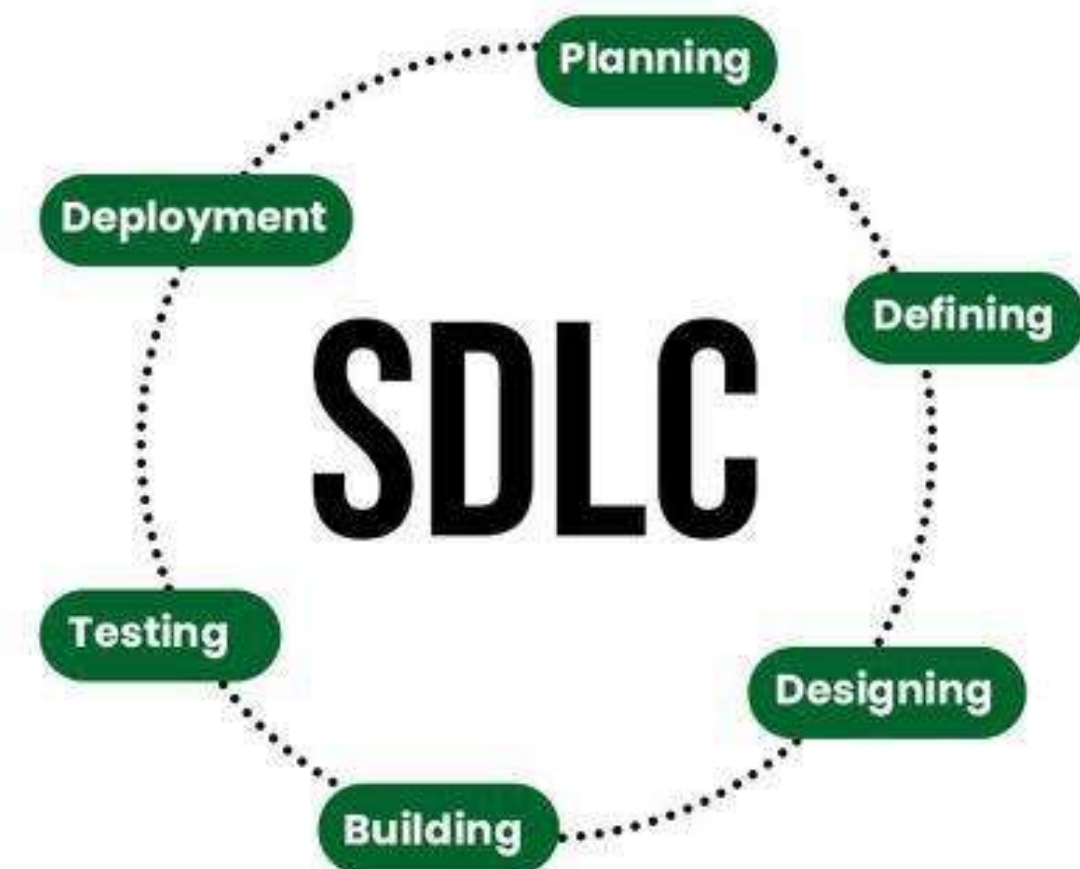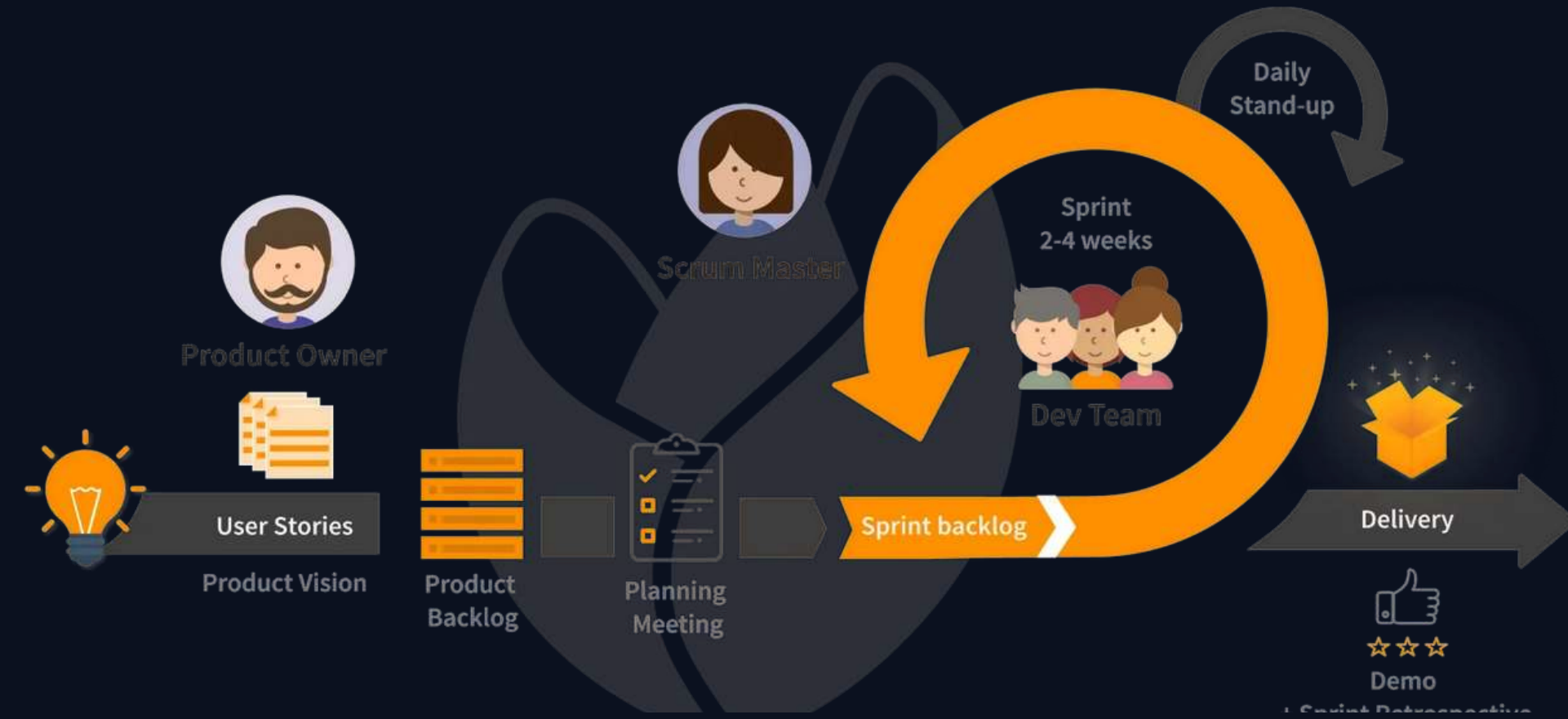codal

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Internship Progress Report
## [Jan-Mar 2024]

- Jayesh Bharadva

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- Topics covered this week
  - SDLC Lifecycle
    - Requirement Analysis
    - Defining Requirement
    - Designing
    - Coding
    - Testing
    - Deployment
    - Maintenance
  - Agile
    - Scrum
    - Sprint
  - Overview of Development Tools
    - Git, GitHub
    - Tempo

Week 2

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- Topics covered this week
  - Basic of compiler, Interpreter, JIT
  - Stack, Heap
  - JavaScript
    - How JS code is executed.
    - Data types, variables and basics
    - Object & Memory allocations
    - Array and object methods
    - oops
      - Inheritance
      - Encapsulation
- Demo Task:
  - OOPS based Library management System

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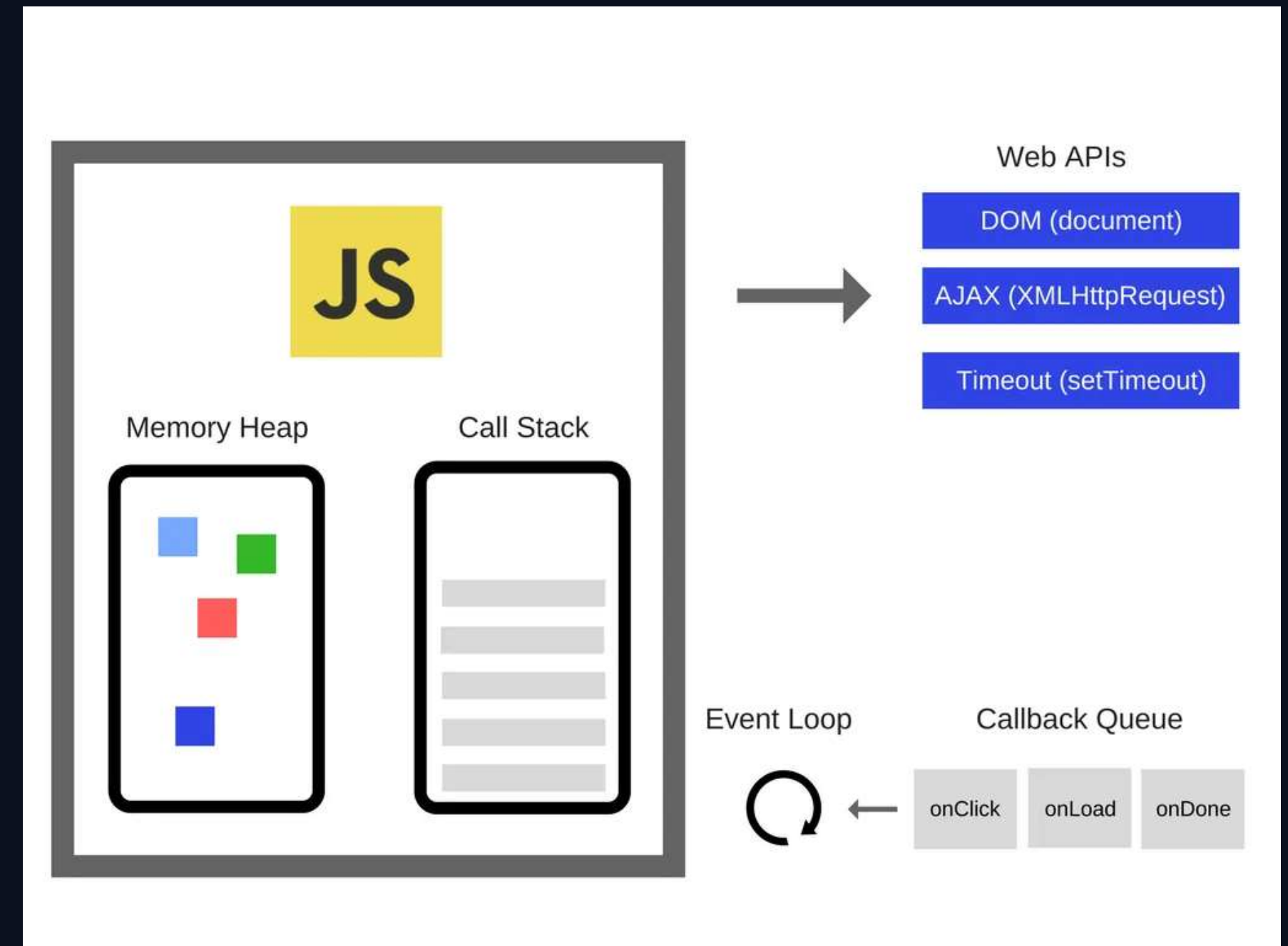
- Topics covered this week
  - JavaScript
    - Async Programming
      - async-await
      - promises
    - Fetch and Axios
  - TypeScript
    - Why TypeScript?
      - Runtime errors in JS
      - statically typed
- Demo Task:
  - Website that fetches data from API and shows it in a table also it should sort and search proper data.

Movie/Series List `search...`

id	name	rating	image_url	
93	1917	8.3		Edit
33	A Clockwork Orange	8.3		Edit
27	Alien	8.4		Edit
37	Aliens	8.3		Edit
28	Amélie	8.3		Edit
36	Apocalypse Now	8.4		Edit
61	Arrival	7.9		Edit
83	Avengers: Endgame	8.4		Edit
46	Avengers: Infinity War	8.4		Edit
82	Black Panther	7.3		Edit
21	Blade Runner 2049	8		Edit
55	Brooklyn	7.5		Edit
87	Coco	8.4		Edit
85	Deadpool 2	7.7		Edit
75	Doctor Strange	7.5		Edit

Week 4

- ○ What is React?
  - ▪ React is a JavaScript library for building user interfaces and not a framework.
  - ▪ Jordan Walke
- ○ Why we need React?
  - ▪ One major Problem in JS
    - • DOM tree reloads every time I change(not single page).
- ○ How React Solved Problem?
  - ▪ React introduced the concept of Virtual DOM
    - • Reconciliation
    - • diffing
    - • fibre

DOM Update Process in React

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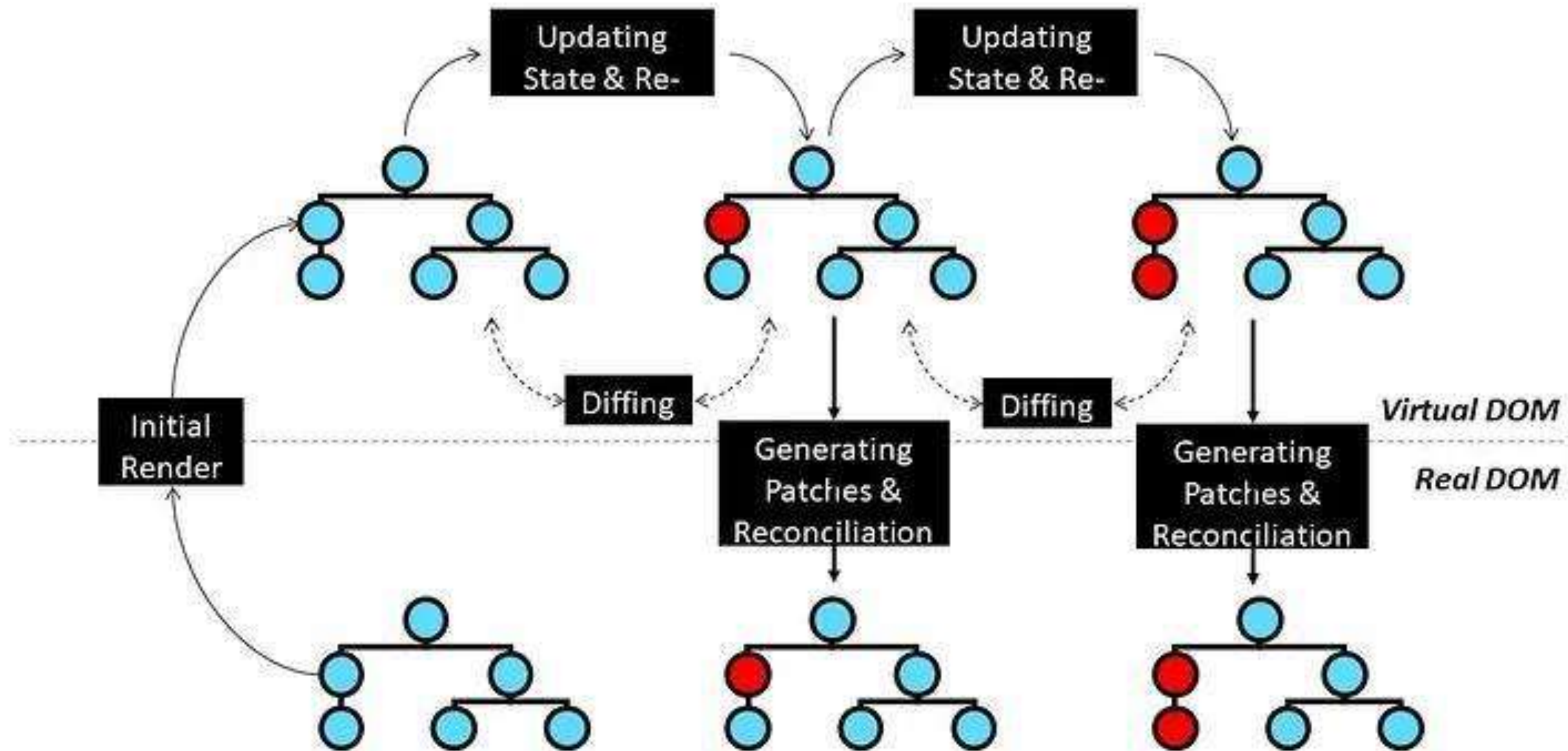
- Topics covered this week
  - Props
  - state
  - component, lifecycle
  - Higher Order Component
    - ComponentDidMount
    - ComponentShouldUpdate
    - ComponentDIdUnmount
  - hooks
    - useState, useEffect
  - Routing Strategies

- Demo Tasks:
  - Make a page that fetches current local time and convert it to different

Your local time is:: 2024-03-25 20:45:19

| NewYork	LosAngeles
2024-03-25 11:15:19	2024-03-25 08:15:19

Week 5

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- Topics covered this week
  - Client Side Storage Strategies
    - Local Storage
    - Cookies
    - Session Storage
  - Memoization
  - Other hooks
    - useCallback
    - useMemo
    - memo
    - useRef
  - Prop drilling
  - Context API
    - Why we use It?
  - Redux-toolkit

Example of Prop drilling

Week 5
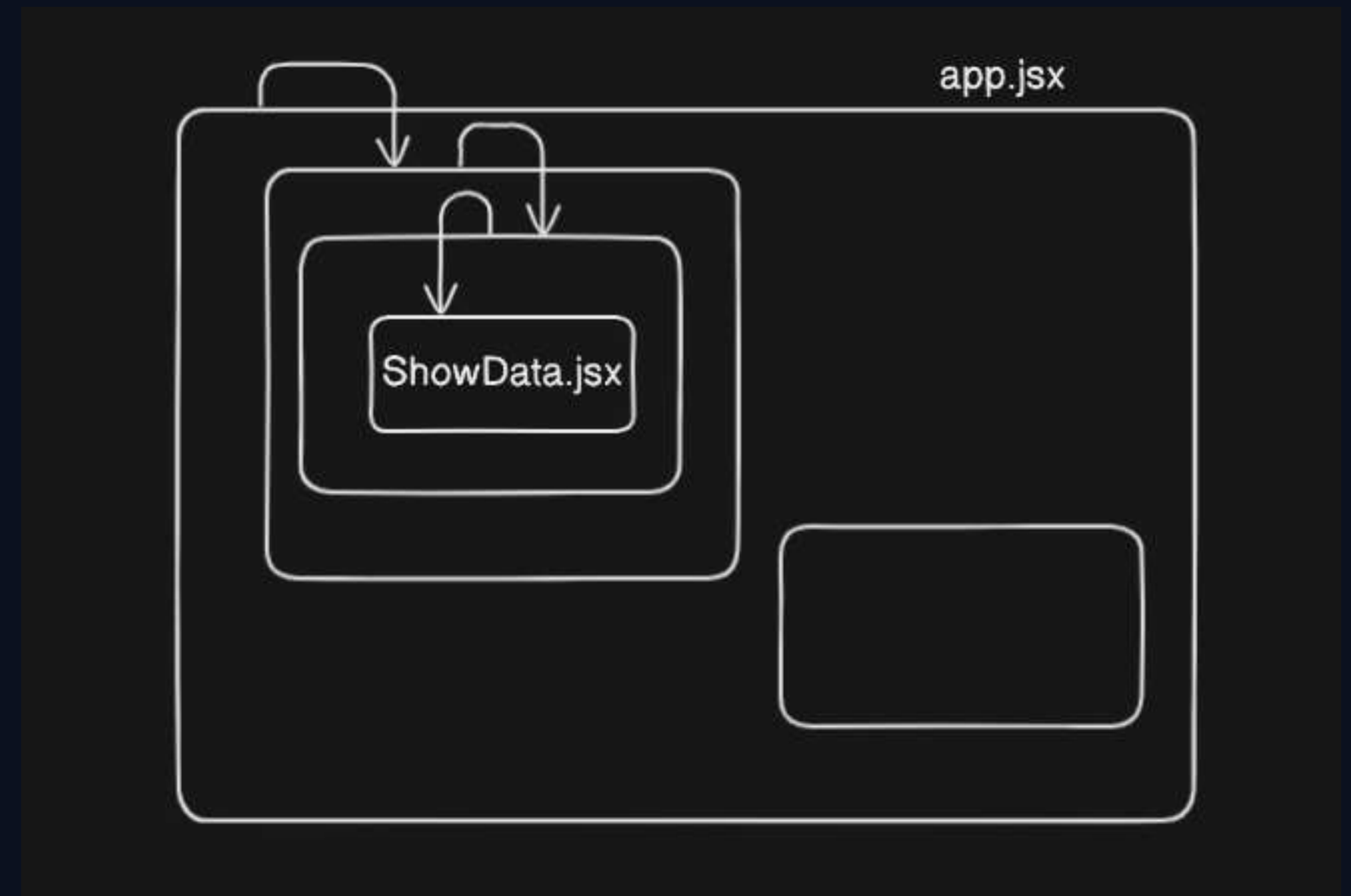
Make a To-Do using context

Make a To-Do using Redux-Toolkit
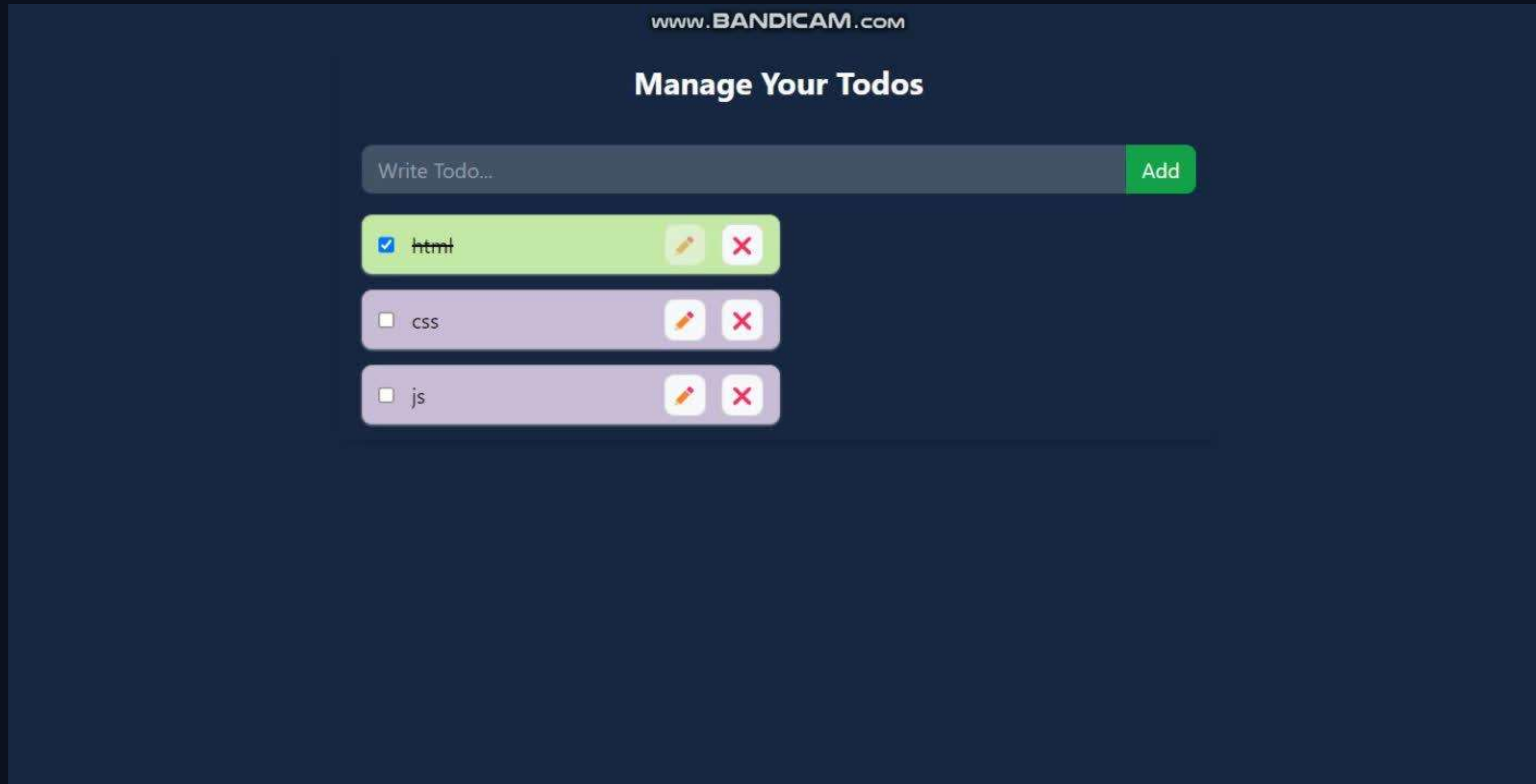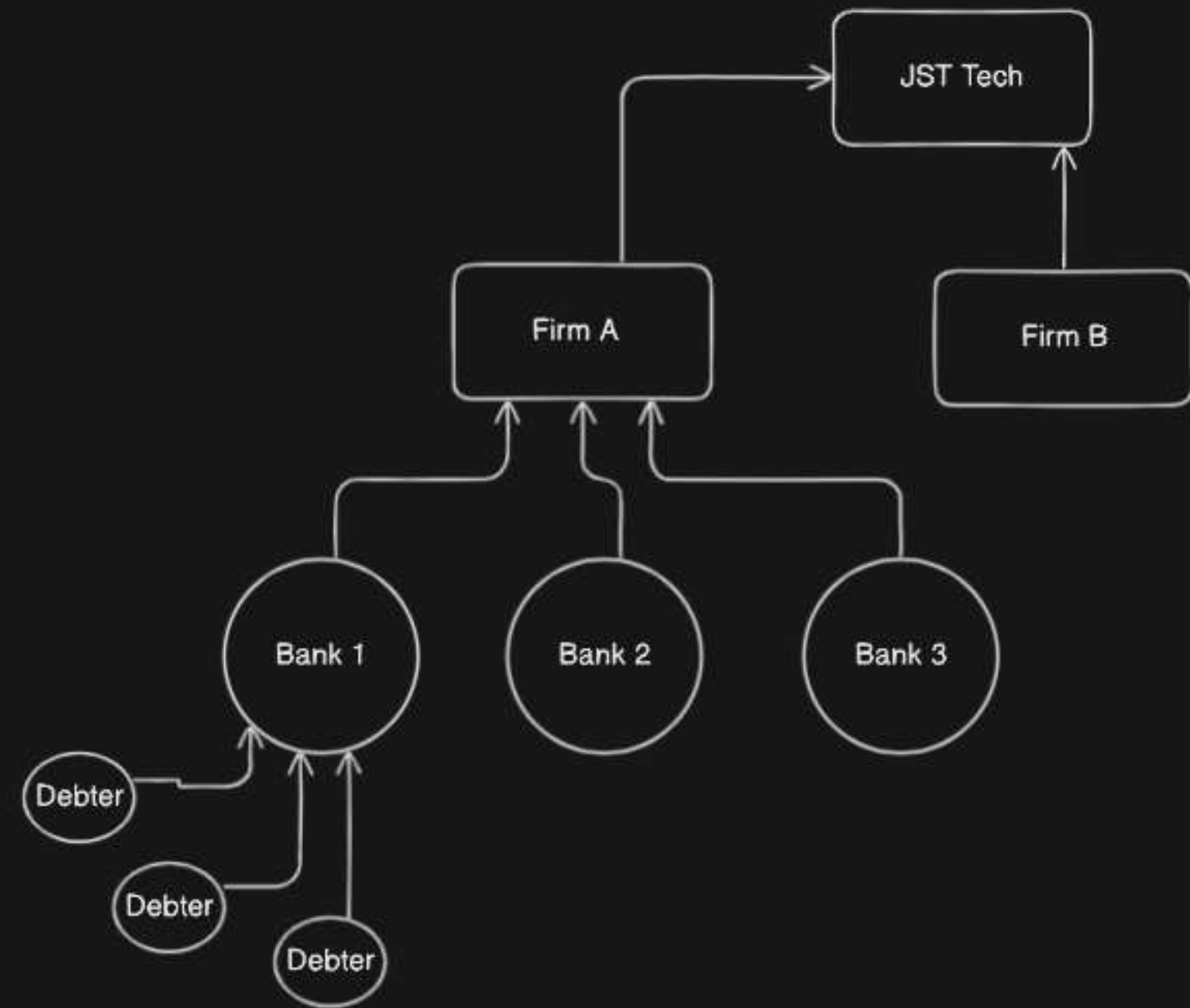
codal

Week 6

- Topics covered this week
  - Redux
  - Custom hooks
- Live Project : JST Tech
  - Tech stack:
    - Frontend:
      - HTML
      - SCSS
      - JavaScript/TypeScript
      - ReactJS
      - Kendo UI library
      - Moment JS
  - Started attending kt sessions
 - Front-end code understanding

JST tech

codal

- ○ Topics covered this week
  - ■ Explored TMDB Api for new project
  - ■ Started making new project Movix
  - ■ Carousel
  - ■ Infinite scrolling
  - ■ simple react validator

- ○ Live Project: JST Tech
  - ■ Attended KT sessions
    - ● Roles and permission
    - ● Litigation and transactions
   - ● UI styling

JST tech

Week 8
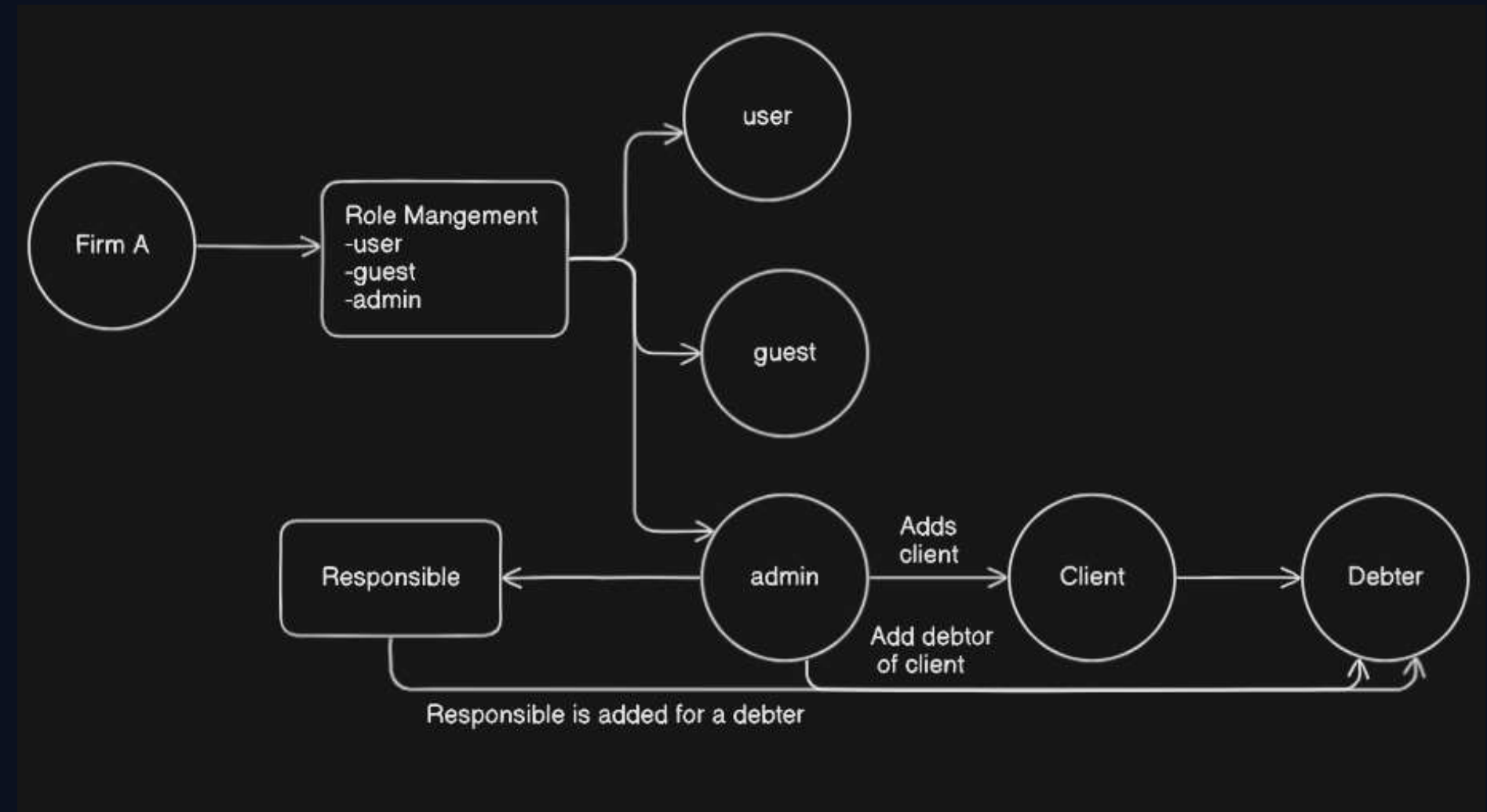
- Topics covered this week
  - Learned SCSS
    - nesting
    - mixing
    - variable
- Authentication using Redux
- Demo Task:
  - Chunked File Upload: It should upload the file in chunks(with fixed chunk size) after uploading the file user should be able to see that file

Week 9

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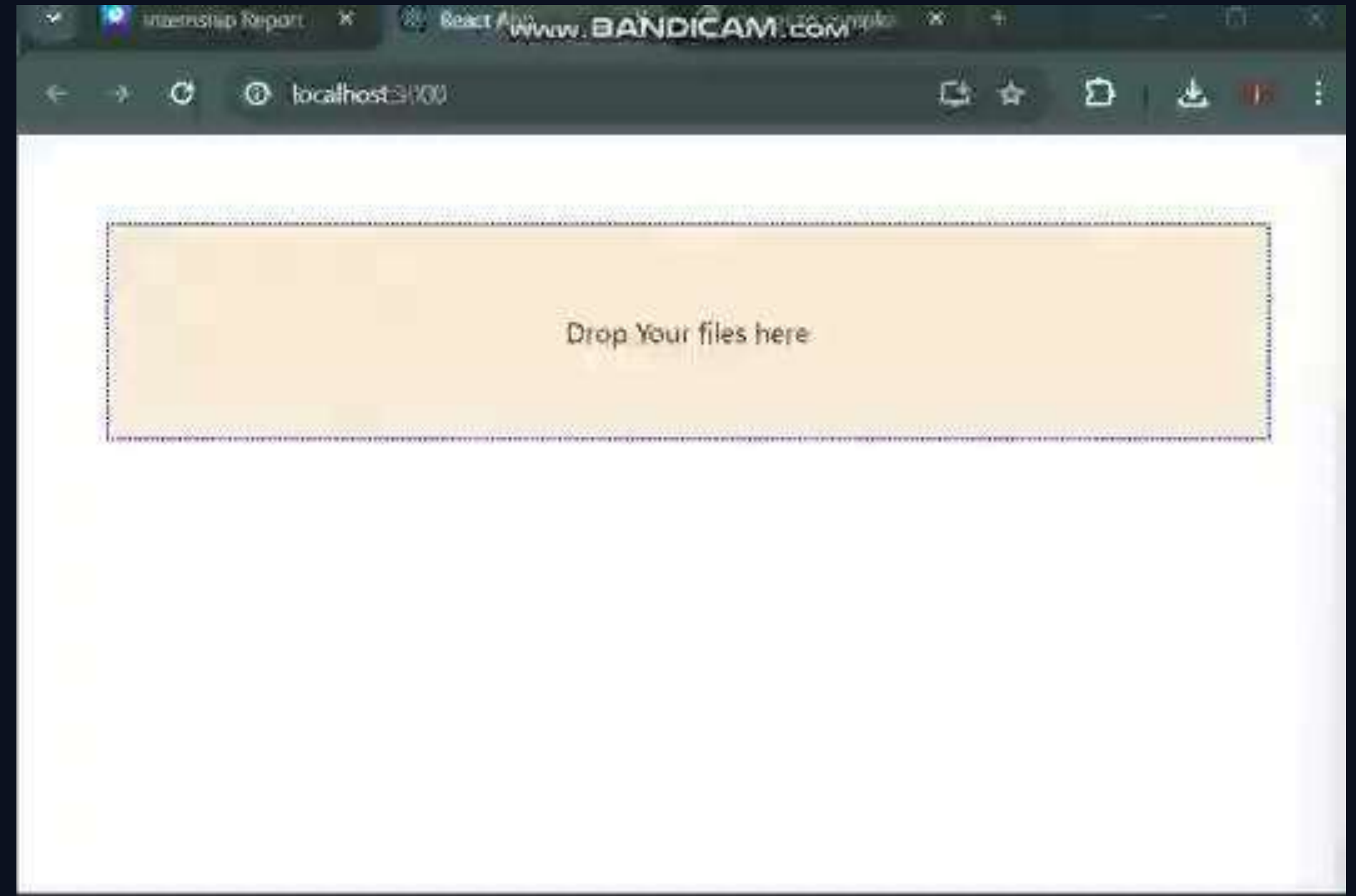
- Topics covered this week
  - NextJS
    - Why NextJS?
      - SSR
      - SEO
      - built-in routing
    - It is a framework.
    - Client Component
    - Server Component
- Live Project: JST Tech
  - JW5-103
  - A2-2739
  - UI related Issues

Week 9
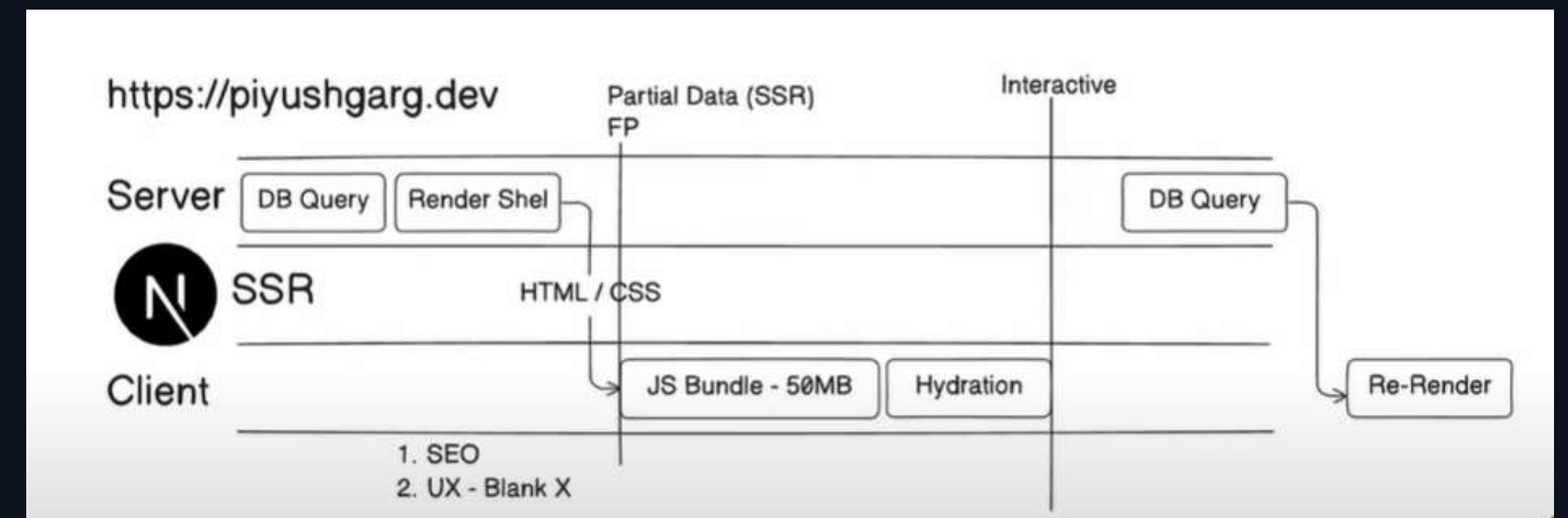
- JW5-103
  - Client - Client Overview | When the user uses the business client option and clicks on next then it shows error for individual client option and due to this not able to proceed further.

Week 9

- JW5-103
  - QuickBooks Disbursements | when the user clicks on the left/right arrows then it's not following the sequence.

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- Topics covered this week
  - NextJS
    - File based routing
  - React Code Optimization Techniques
    - useCallback, useMemo
    - useEffect CleanUp
    - reconciliation child id
    - Lazy Loading
- Live Project: JST Tech
  - JW5-155
    - Run Report | Date fields are not showing the dates in Run Report modal
    - With this also solved some of the cancel button was not working in this page

JW5-155

Run Report
manthan 123

Incomplete Action Codes

Select incomplete action code ▾

Account Status *

Active Accounts Only ▾

Select the default alert or flash messages for accounts to exclude from this report.

Alert and flash message

Select alert or flash message ▾

Type *

All ⊗ ▾ ⊖

Scheduled Action Date *   Start *   End *
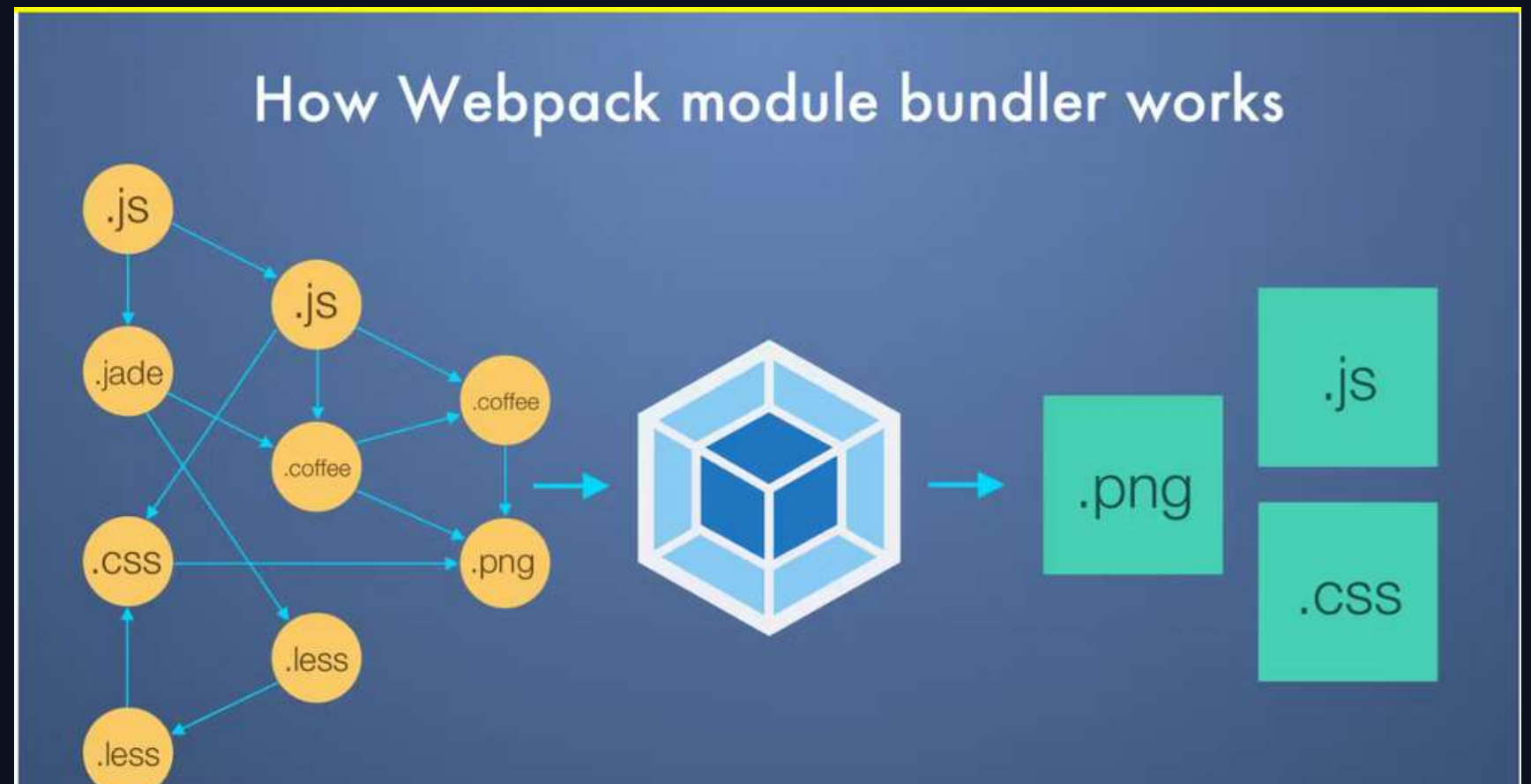
All Time ▾   12/28 / 2021 📅 to 07/16 / 2025 📅 ⊖

⊕ Add an Additional Filter ⌄

Cancel   Run

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- Topics covered this week
  - Webpack
    - Entry and output
    - loaders(rules)
  - Babel
- Live Project: JST Tech
  - JW5-160
    - FE: Filter Pop-Up Enhancement
      - Global Issue
      - Check Cancel Button working

How Webpack module bundler works

Mobile Planet

- Features
  - Admin
    - Buy Product
    - Cart
    - Apply Discount
    - Order
  - Client
    - Create Discount
    - Update Status of Product
    - Add Product
    - Remove, Update Product

- Remaining Features
  - Print Checkout Bill
  - Update status Dynamically

- Tech Stack:
  - Front-End
    - Html
    - Tailwind css
    - Toastify
    - ReactJs

  - Back-end
    - Firebase

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Free Shipping
When order over 5,00,000₹

24/7 Support
Get support all day

Refund
Get refund within 3 days

Mobile Planet

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Delete	Product image	Name	Price	Quantity	Total
×		APPLE IPHONE 15 PRO MAX	155,500₹	1	155,500₹
×		ONEPLUS OPEN 5G	139,999₹	1	139,999₹

Have coupon?

jayeshsale ✕

Total	Price
Subtotal	295,499₹
Discount	- 29,549₹ (-10 %)
Shipping	0₹
Total	265,949₹

Checkout

Hackathon Management System

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- features
  - Company/Institute
    - Host Hackathon
    - PS File Upload
    - Track Progress
    - Approve Submission

- Participant
  - View List of Hackathon
  - part in hackathon
  - Upload Submission file

- Tech Stack:
  - Front-End
    - HTML
    - Tailwind Css
    - ReactJS

  - Back-end
    - NodeJS
    - MongoDB
    - JWToken
    - Google Drive
    - Multer

Hackathon Management System

Hackathon Management System

Week 12

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- Complete Hackathon Management System

- Implement a webpack for better understanding.

- Complete ticket JW5-160

Q&A

Thank You!

first

Hello Zala