React

TOPICS - Why react Setup react project Understanding JSX Components (simple HTML layout to reusable react components) Understanding the components Passing data through props Deploying react to netlify

LINK - https://us06web.zoom.us/rec/play/CxYo0XxXnEDSP1SzJFiR3RmnSm6wc7-VUVTNz5R7jQjKVd04sdwZ\_c9SuUy7N5yAFLF5qqCnA7ujSaGY.6CxCxSYTxTtTMCiG?continueMode=true&\_x\_zm\_rtaid=1QpwnisJRzyipyiWaEMWmg.1657865192777.779acaca5255b065f4c5ceee0a957023&\_x\_zm\_rhtaid=192

TASK - Task - Price cart bootstrap(https://startbootstrap.com/snippets/pricing-table)

React hooks & states

TOPICS - Working with array lists Usage of keys Conditional rendering Handling Events Props vs state

LINK- https://us06web.zoom.us/rec/play/tH6PF81\_1LovEjZmlK5aC37x-MIU-nSrg00ewVqOnTOa6tQw5h7zOP79vfyOMIQHbNWCQxcW6GWeJvHU.oqJPespbvr-i3cuI?continueMode=true&\_x\_zm\_rtaid=1QpwnisJRzyipyiWaEMWmg.1657865192777.779acaca5255b065f4c5ceee0a957023&\_x\_zm\_rhtaid=192

TASK - Task - Price cart bootstrap(https://startbootstrap.com/snippets/pricing-table)

React components

TOPICS - Components - In depth Component life cycle Stateful and stateless components Reusable components Passing dynamic data to component Introduction to Hook

LINK - https://us06web.zoom.us/rec/play/bvAquRvQR7QIdBYSTjbLft-2f-nbajnD0uze40l35IkBFMUNzYBO2WX6JAi5-B6zUFusFVxjW6lAcAgt.YznBQYgIzpMujHfr?continueMode=true&\_x\_zm\_rtaid=1QpwnisJRzyipyiWaEMWmg.1657865192777.779acaca5255b065f4c5ceee0a957023&\_x\_zm\_rhtaid=192

TASK - \* The rating according to value given \* Disable add to cart button when added to card \* Remove item from cart & enable add to cart <https://startbootstrap.com/previews/shop-homepage>

React router

TOPICS - react-router-dom BrouserRouter, Switch, Link, Route, url params

LINK - https://us06web.zoom.us/rec/play/nXMw84X90ldFYW5WY3G7bZkZs30MRZiFT8sERjPEFXisNLZS0cqAT6r5pjFGH8Jj1cefE02vUSDQXosK.9JSUyfwbhDczEaNS?continueMode=true&\_x\_zm\_rtaid=1QpwnisJRzyipyiWaEMWmg.1657865192777.779acaca5255b065f4c5ceee0a957023&\_x\_zm\_rhtaid=192

TASK - Task - https://startbootstrap.com/previews/sb-admin-2 value from component need to show to other component

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https://us06web.zoom.us/rec/play/ay5\_C7UrpadmJ-6QcqkbQ7mWpMASKy1TV-l1Hrf0FKz2AVAUnS-aTmfFOoWpAaGHg2\_hDbMh1rbGeWR4.1G1rcbNkrecD9GsN?continueMode=true&\_x\_zm\_rtaid=bznaLx1pSvKei-euXAxgGA.1657888625780.cf92ce74a49cf46da274d33a448ed8f3&\_x\_zm\_rhtaid=15

LINK

us06web.zoom.us/rec/play/nvJYStbgYBWti4JTSCOuocGhsXkqtfYW46B53JuDW96y92YeS1RZVDG6tlagCwb-fYTyoMXT3A\_ukr46.BeGaQCZSqdLt-Wbx?continueMode=true&\_x\_zm\_rtaid=bznaLx1pSvKei-euXAxgGA.1657888625780.cf92ce74a49cf46da274d33a448ed8f3&\_x\_zm\_rhtaid=15

CONTINUED

LINK

<https://us06web.zoom.us/rec/play/zpx14K2W_XRqLtAnX6C219eeTdn9iU2b2zX31_OE6CnVXBEWZua9V2V_giqiFmvu3Z-iLwDqusJ3eRwi.LY18hy5UGJ_GMw4c?continueMode=true&_x_zm_rtaid=1QpwnisJRzyipyiWaEMWmg.1657865192777.779acaca5255b065f4c5ceee0a957023&_x_zm_rhtaid=192>

CONTINUED

LINK

<https://us06web.zoom.us/rec/play/2G7nOc4_1Z1gFK8YWJ21q5hRAptCQZ8xC1eCOGEnr1NGEWsCfGrfzP2oxPiM0lp-g9xr8zgGnrFbYB7K.HQXXj62274hTfXey?continueMode=true&_x_zm_rtaid=1QpwnisJRzyipyiWaEMWmg.1657865192777.779acaca5255b065f4c5ceee0a957023&_x_zm_rhtaid=192>

Context API

TOPICS - Context-API What is context, provide, createContext Avoid props drilling Session task – profile name changes

LINK - https://us06web.zoom.us/rec/play/Ac6j-CkNBOYIc4dyPH\_\_QHJPUSNnq5vTxsCoXYIk3P7hox60edeKpyT\_VTZxxayoA\_G9UhZojSktG3DY.h-B9CV5nkS2iDp9n?continueMode=true&\_x\_zm\_rtaid=skaXISZPQAidwVm97mFloQ.1657872408742.d710344fcd354b6914db3ed4e629e9f9&\_x\_zm\_rhtaid=685

TASK - Context-API What is context, provide, createContext Avoid props drilling Session task – profile name changes

TOPICS - useRef, useReducer Front end game demonstration - hangman / tictactoe / tile match

LINK - <https://us06web.zoom.us/rec/play/I79Po4H_VGnXVzUaRGBGUiXFCxSi7PlqXkI_9tD35uXgYTwhzo2MbkjxOsaoDAEDiqb-PhIzgNt0xvrE.AO3P3f-rCDA3gdOS?continueMode=true&_x_zm_rtaid=1QpwnisJRzyipyiWaEMWmg.1657865192777.779acaca5255b065f4c5ceee0a957023&_x_zm_rhtaid=192>

Axios

TOPICS - Playing around with API fetch() or axios Implementing simple CRUD

TASK - Task - same task OF ADMIN DASHBOARD TO IMPLEMENT THE CRUD WITH STUDENT & TEACHER MANAGEMENT

LINK - https://us06web.zoom.us/rec/play/R2U-DDojNaerHXTKFl-gnRprgHq-IV8yZgc3nhNKlzqIXx29xWfYm52Sc2fTO6DZEAB58WhZTT1Lkp4D.zE4vQLoG0G-pp0lY?continueMode=true&\_x\_zm\_rtaid=skaXISZPQAidwVm97mFloQ.1657872408742.d710344fcd354b6914db3ed4e629e9f9&\_x\_zm\_rhtaid=685

Recap of CRED Operation and Fetch

LINK - <https://us06web.zoom.us/rec/play/h-PwjgSBLTmEhx9k4_MU7SbA_0xIPf3bos79zGqtc0_yr4Un90GiiYtWwXKFzDWWpW4NqvaFwoXrjxL9.QR-lCyRY2Asq5XcL?continueMode=true&_x_zm_rtaid=1QpwnisJRzyipyiWaEMWmg.1657865192777.779acaca5255b065f4c5ceee0a957023&_x_zm_rhtaid=192>

formik in react

TOPICS - Completed recap by implementing any Front end game/CRUD to understand the importance of hooks ex:- hangman / tictactoe / tile match

Task - Implement CRUD operation with different UI of admin dashboard for Student mangement and use formik for all form validations

LINK - <https://us06web.zoom.us/rec/play/OPFGzJgem0qhLirSvxxDQ0MgF6pdSS-ECVqfiXVxRzvdm1xu_aHOs1XmtfOaD1zaG4iekYQhkoPhJVlf.7EBQDRkTsngprikD?continueMode=true&_x_zm_rtaid=1QpwnisJRzyipyiWaEMWmg.1657865192777.779acaca5255b065f4c5ceee0a957023&_x_zm_rhtaid=192>

practice with formik & recap

LINK - <https://us06web.zoom.us/rec/play/0SeM3IZEmczj_PDJ8jCFvqHL4C4EcGH9gays2VF_lbxDGHWojo-WjOK75ZrvLtNK1p30EAhyJGjvaS5W.XeCjgNWGogAIBH09?continueMode=true&_x_zm_rtaid=1QpwnisJRzyipyiWaEMWmg.1657865192777.779acaca5255b065f4c5ceee0a957023&_x_zm_rhtaid=192>

Database – MySQL

TOPICS - Introduction to database what is mysql? intro to mysql engines basic queries - create db, table insert, update, alter select - where clause, distinct, group by, order by, offset, limit

TASK - IMDB Design a DB for IMDB 1. Movie should have multiple media(Video or Image) 2. Movie can belongs to multiple Genre 3. Movie can have multiple reviews and Review can belongs to a user 4. Artist can have multiple skills 5. Artist can perform multiple role in a single film

LINK - <https://us06web.zoom.us/rec/play/Oxxn-IJOkMRwTFu9rS1CsuyqeZKrGbARaMmyTqgjJvqareZhiGMNmIBHfZ7rZ1pK6XZ7xqe0Z6pK3TSq.EL3wXYn869_d0BD7?continueMode=true&_x_zm_rtaid=1QpwnisJRzyipyiWaEMWmg.1657865192777.779acaca5255b065f4c5ceee0a957023&_x_zm_rhtaid=192>

TOPICS - normalization, select queries, joins DB model design

TASK - Complete SQL Bolt, And submit the screenshots

LINK - <https://us06web.zoom.us/rec/play/eWHAVibekhGmRi3237UzOsEIRRiiHRmZe7bbGVhLw7An9W8-AXWjhRKyaaFBVWGGrawdtlJ7GfqoAYY.KlLiuH3ycCTzhgQT?continueMode=true&_x_zm_rtaid=1QpwnisJRzyipyiWaEMWmg.1657865192777.779acaca5255b065f4c5ceee0a957023&_x_zm_rhtaid=192>

RECAP

LINK - <https://us06web.zoom.us/rec/play/LOMwl04XeP03FdydJM36o3ePhPZaH67Wv2AJgto35NJ_4LPXOKeG29H-T7f8oq9zJLcUm_628ToJ7Gp4.Tw0aBMuIZtewA6n7?continueMode=true&_x_zm_rtaid=1QpwnisJRzyipyiWaEMWmg.1657865192777.779acaca5255b065f4c5ceee0a957023&_x_zm_rhtaid=192>

Database – MongoDB

TOPICS - "intro to mongodb why mongodb? what is document? what is collection? Mongodb vs MySQL installation of mongodb creation of database, collections, documents find - query & projection"

TASK - <https://github.com/rvsp/database/tree/master/mongodb>

LINK - <https://us06web.zoom.us/rec/play/jI6FDYtH5EadORWHEUOt9BGbbP3ArQz_lzgAdXyZR9r0w1yS8hY5fprJgVI_ahX_H-cQlVvCr5YyI56I.aZRmSo1Aesk3QMcx?continueMode=true&_x_zm_rtaid=1QpwnisJRzyipyiWaEMWmg.1657865192777.779acaca5255b065f4c5ceee0a957023&_x_zm_rhtaid=192>

MongoDB

TOPICS - use of operators in find() basic cursor methods - map, toArray, pretty, forEach, limit, count, sort Aggregation

TASK - <https://github.com/rvsp/database/blob/master/mongodb/day-2/database-design-zen-class.txt>

LINK - https://us06web.zoom.us/rec/play/2XU0D-drbP5vjLANL4V9PCc8IwxuGgjQvuCFxUiOFCk\_OUKp7o9pt6A54Ish2MSHSc\_KfUEoBjRZ1UWH.sA6WEU1BK5hGOIjI?continueMode=true&\_x\_zm\_rtaid=1QpwnisJRzyipyiWaEMWmg.1657865192777.779acaca5255b065f4c5ceee0a957023&\_x\_zm\_rhtaid=192

Nodejs

TOPICS - "what is client? what is server? What is nodejs? Npm packages - In build - Third party - Custom"

TASK - Nodejs file system Task <https://docs.google.com/document/d/1c_u6azHv7AQHse45GGcrCRe78liwv90S5aHwBR7tBP0/edit>

LINK - https://us06web.zoom.us/rec/play/7vVztwOL4epUAcH9IOVVQaxEFLcaKvhbmiQyy6kCxAjf11rXKpJXnExdh6LB1Y2lpl0lM-VoZ\_EEUrBv.mMF-Ng8E7UeGbfSG?continueMode=true&\_x\_zm\_rtaid=1QpwnisJRzyipyiWaEMWmg.1657865192777.779acaca5255b065f4c5ceee0a957023&\_x\_zm\_rhtaid=192

Nodejs & Expressjs

TOPICS - What is express API methods - GET, POST, PUT, DELETE Request & response objects Url & Query parameters

TASK - Nodejs hall booking api task <https://docs.google.com/document/d/1rwPQ2LbHtMZajA_GIZfR-Ko2MFueoT82AmfHTK9V-hM/edit>

LINK - <https://us06web.zoom.us/rec/play/hYoFmLhcCH81F9bOgYV0aUM9NRua1_qWzPv7gVgYa2RgafUcRaOGELUN1sYF0H4gme6aw7kIyb2zuUvS.DV76AZ0wj3EAWKsq?continueMode=true&_x_zm_rtaid=1QpwnisJRzyipyiWaEMWmg.1657865192777.779acaca5255b065f4c5ceee0a957023&_x_zm_rhtaid=192>

Node & mongo DB connectivity

TOPICS - Connection to MongoDB(local & atlas)

TASK - <https://docs.google.com/document/d/1sxHk2QDyK_evjlbwWPklyTXDHHOENKqj-IHS2yNSaHQ/edit?authuser=1>

LINK - <https://us06web.zoom.us/rec/play/ml8QYDCjGEtyRYwgVpKnVP8wfzOWzowAVwgjPuJHwrQM-1r9jbZkqL-nA3vlDokI9zxC8Mh5Cl_DsQhV.H0Dn6Y1n2UiFb74L?continueMode=true&_x_zm_rtaid=1QpwnisJRzyipyiWaEMWmg.1657865192777.779acaca5255b065f4c5ceee0a957023&_x_zm_rhtaid=192>

Nodejs deployment

TOPICS - dotenv Deployment

LINK - <https://us06web.zoom.us/rec/play/eaUlWoXcRjf6WZ0KMi1Z36jNSWcyBTX3E5QaHoc0ZO0rIFKFmZ4a1c3hR4M0Nfq1Nbf3jwh9hrx97eoO.TaLbvJqCV2YAd_g3?continueMode=true&_x_zm_rtaid=1QpwnisJRzyipyiWaEMWmg.1657865192777.779acaca5255b065f4c5ceee0a957023&_x_zm_rhtaid=192>

Authentication

TOPICS - Authentication bcrypt

TASK - <https://docs.google.com/document/d/1I7zwdMN77E3JwSXtgp2pVKgcAqPBHOwczishsKak-Qk/edit>

LINK - <https://us06web.zoom.us/rec/play/7PQhU6c9X_RQ4Hu-vBfslXYgK77s7n0vdFpZb5P8y_FqU_qlXO1wYpfKl2CrQG3ctKb6rz07qbbkWj7x.qipeCR2RNzcn3gMY?continueMode=true&_x_zm_rtaid=1QpwnisJRzyipyiWaEMWmg.1657865192777.779acaca5255b065f4c5ceee0a957023&_x_zm_rhtaid=192>

JWT

TOPICS - JWT custom middleware authorization

TASK - <https://docs.google.com/document/d/1nD7fzgzw5UmFSpnHK2FWVadnp4y7EaND26_AqkZzSTw/edit?authuser=1>

LINK - <https://us06web.zoom.us/rec/play/DpU1w4jv9AEZP9CcTduHylmdbP4j9hieEHWAVFxiHfjASgySQCyLoDIt9sJ8sXgYSHDnaHTRxHo1TRvM.WInF-HQnkytqgh7M?continueMode=true&_x_zm_rtaid=1QpwnisJRzyipyiWaEMWmg.1657865192777.779acaca5255b065f4c5ceee0a957023&_x_zm_rhtaid=192>

RECAP - https://us06web.zoom.us/rec/play/6FDCpb0BsDNLC8Jt8vOp6E07MSwTrp2HFro-WFBnqzptv5JYvfQcMkmYbzMRHJGynygZVp8Ds\_axT8Hr.\_OUvN38FMcmOQpp3?continueMode=true&\_x\_zm\_rtaid=1QpwnisJRzyipyiWaEMWmg.1657865192777.779acaca5255b065f4c5ceee0a957023&\_x\_zm\_rhtaid=192