ſ O O dz G @ 1 : ſ tststc: EGEGHfnEdz LOGOOtc BtstdtstdzfnqfnJsjdʒH lsOo frqOdz :tc dz uqſ2dz h OOtcHdzOGr dz HOdzlz React W tc 2dʒotstcQ Oh qdzOdz front-end :EG IIIdz dzlsqſ2G :qſ2dz IIII. RdzG :H HtststcQ LII2dzfnqſ2GOdz:OOtcdzO.

ΠIdzH:

- ð ſ qſLO2dzr h qſ2H dz css Oh qdzOdzs (Pixel perfection)
- ð υwdz:OlsOdzo B :lzHOfn (Responsive web) BlzB lz HtstcQ:Ow 2 H dzGuH tc LEo BO2tcdzlzdzfnOdzBO2:
- ð Qtsdʒtftsdzjdzs HO:qfzOh qdzOdzs (Component reusage) Htstc:Ow dzGQtsdʒtftsdzjdzs H tc :tc G IIIdzfn dzBO2: h OOtcHdzOGlsO2. ſ tststc:fnOdzdzlzH r GfnJzlzdzOfnOdzBO2dzO.
  - ʒ W tc dz:fnOdzdzlzH
    - y "bootstrap": "^5.1.3",
    - y "react": "^17.0.2",
    - y "react-bootstrap": "^2.0.4",
    - y "react-dom": "^17.0.2",
    - y "react-router-dom": "^5.3.0"
  - ʒ υEfndzqſ2dzFE H tc create-react-app Oh qdzOdzlsEfndzqſ2dz dzqſ2 :lzoqfzBOtcr G IIIfnGdz.
    - y npx create-react-app your-react-app
- ð ſ Edz back-end :fn GtcIIII :tsdzBtsGHts: :IIfn dzlsqſ2G:Idz dzOoO: h qſ2Hdzqſ2G:tc G IIIdzfn dz BO2dzO.

qdz:OOtcO:: ſ OOdzoOtc 2-r GdI2u lsGfndzqſ2 HOtcOO Front-End :EG IIIdz dzlsBtsdts: HOOdzoOtc 1 ï H tcGdzqftc IIIdzBtsdtststs :qſ2dz.

W tc G IIIdz :Ofjfdzqſ Qj2h dzr LOGOtc:

Qdz H LOGOtc LztcOGtstc qfcdz.

W tc G IIIdz :Ofjfdzqſ Qj2h dzH lsOoqſGHfnOdz:tc dz uqſ2dzh OOtcH dzOO:

W tc dz uqEEtcqſ2dz:EEdzdzʒr GBIIdlsG:IIfn dzlsO2 BO2OOO BEGEEH dz:IIII Ofjfdzqſ Qj2h dzdz lsz:O2dz :tc dz uqſ2dzdzdzʒr GBIIdlsGdz. ſ tststc: h OOtcHdzOdzlzH r G:OdzOfnOdzBO2: yfrJsts2.

1. ʅ tsdʒ Entity dz Htsldzdtsts Htststc:r GOdzlzdzfnOdzBO2dzO.
   a. ʅ tsdʒdzr dz tc BEGEEH IIfnGdzlsEtcEdzls2 BO2dzO.
   b. ʅ tsdʒdzr ISBN QtsH dz 10 characterlzdzlsO2 BO2dzO.
   c. ʅ tsdʒdz EEtcqſ2dzLts:qftsGuqſ2dzdzlsEtcEdzls2 BEGEEH IIfnGdzlsEtcEdzls2 BO2dzO.
   d. ʅ tsdʒdzr Publish-Date BO2: BEGEEH dz dz Date lsEtcEdzls2 BO2dzO.
   e. ʅ tsdʒdzr Idz BO2: BEGEEH dz dz ldsts BO2: yfrJsts2.
2. W tc dz uqdzsdʒdzr :tsts BII:dzqfrJsqſ2G:OtdzlzdzO:dzIIItc :lzHOfrJs
   a. ʅ tsdʒdzr ID
   b. ʅ tsdʒdzr dz tc
   c. ʅ tsdʒdzr Idz
   d. ʅ tsdʒdzr Lts:qftsGuqſ2dzdz tc
   e. ʅ tsdʒdzr ISBN HlzOOtc
   f. ʅ tsdʒdzr Publish-Date :Otc OGHO: yfrJsts2

3. [illegible]
    a. [illegible]
        i. [illegible]
        ii. [illegible]
        iii. [illegible]
        iv. [illegible] ISBN [illegible]
        v. [illegible] Publish-Date [illegible] react-date-picker npm package [illegible]
            1. [illegible] Publish-Date [illegible] (YYYY-MM-DD) [illegible]
    b. [illegible] Modal [illegible]
4. [illegible] Update [illegible] Form [illegible]
    a. [illegible] Modal [illegible]
5. [illegible] Modal [illegible]

[illegible] : 90 [illegible]

[illegible] (collection [illegible]

- CRUD Database functions

Operations	Database Functions
Create	Insert
Read	Select
Update	Update
Delete	Delete

- CRUD HTTP Protocols

Operations	HTTP Protocol
Create	POST
Read	GET
Update	PUT

Delete	DELETE

- Express frjzttc lsO? fnjtcojtc IIIfnjdz,tsqfstz,BO?dzzdzOOH tdz+fnjdz,4 II?dz+dzqf?g (CRUD) qf?fnjdz,BO?dz,O.
  - Create
    - ltsdz IIIfnjdz endpoint Bqfuqf EEGEEH POST IIfnjdzs wəlzzdzdz,O.
  - Read
    - ltsdzdz,dzH r gOəOq IIfnjdzs EEGEEH GET IIfnjdzs wəlzzdzdz,O
  - Update
    - ltsdzdz,dzH r gupdate qf? IIfnjdzs EEGEEH PUT IIfnjdzs wəlzzdzdz,O.
  - Delete
    - ltsdzdz,dzH r gdelete qf? IIfnjdzs EEGEEH DELETE IIfnjdzs wəlzzdzdz,O.
- Ð GEG+dzqf?dz,fnjdzs? Model+tc HOdz>l zzdz> Isdz,tsgfnjsdz,BO?dz,O. M+tcə++ MongoDB Oh qGdzOəOdzMongoose,MySQL Oh qGdzOfnjdz,Bsdzmysql2 g+fnjdz,fnjdz,dzH r gOh qGdzOdz,O.
- Express.js Oh qGdzOdz,API Bqfuqf> EGdz,E.
- CORS dzsH zdz Oh qGdzOdz,BII IIfnjdzsqf?gIdz+dz,LEəh EEtcE EEtcIstsqfdzzdzdz,O.
- J II h Osdz, index.js,app.js H+ Isqfstcgstsdzdz H qf?gfnjdz,BO?dz,O.
- Github H++tcIsz?O?dz,sfnjdzqf?dz,Repository IIIfnjg+H PUSH qf?fnjdz,BO? yfnjsts?.
- Github URL-OO google classroom H++tc tsdzzdzfnjdz,BO? h OOtcHdzOgOsO?.

[O Odz,Gtc g Is G? u 5 z O 90 dz qf dz, z Is

[O Odz,Gtc ə 3 : fnj+dzs +Is+E fnjdz E E FWrSo-nSt3- EHn+d+ tcA, WS a c k G Z n d A H + + tc d e p l o y s y B t f s q f ? x B G ? Z z O ? . d z , υ I s E fnjdz q f ? o d z O p d z m 2 O x P d z d z H qf?gfnjdz,BO?dz,O. MOdzgqf?dz, fnjII IIdz+H+ Deploy qf classroom fnjHEdz+sdzqf?+sdz,E gh Odzfnjs+gOdzdzsdz?Odz,tc upload qf?dz,+.

[O Odz,Gtc g Is G? u 5 z O 30 dz qf dz, z Is