



CSCI 5308: Advance Topics in Software Development, Winter 2022

Document Type: Project Dependencies

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External Libraries Used for Backend

1. babel-cli:
 - **Version:** 6.26.0
 - Installed using command **yarn add babel-cli**
2. bcrypt:
 - **Version:** 5.0.1
 - It is used for storing the password in hashed format and for comparing the hashed password.
 - Installed using command **yarn add bcrypt**
3. body-parser:
 - **Version:** 1.19.2
 - It parses the incoming request bodies in a middleware before your handlers, available under the **req.body** property
 - Installed using command **yarn add body-parser**
4. cors:
 - **Version:** 2.8.5
 - CORS stands for Cross-Origin Resource Sharing. It is a node.js package for providing a Connect/Express middleware that can be used to enable CORS with distinct options.
 - Installed using command **yarn add cors**
5. dotenv:
 - **Version:** 16.0.0
 - It helps to synchronize .env files between machines, environments, and team members.
 - Installed using command **yarn add dotenv**

6. ejs:
 - **Version:** 3.1.6
 - Installed using command **yarn add ejs**
7. express:
 - **Version:** 4.17.3
 - Express is used for backend web applications
 - Installed using **yarn add express**
8. express-validator:
 - **Version:** 6.14.0
 - It is an express.js middleware that provides validations.
 - Installed using **yarn add express-validator**
9. fs:
 - **Version:** 0.0.1-security
 - Installed using **yarn add fs**
10. joi:
 - **Version:** 17.6.0
 - The most powerful schema description language and data validator,
 - Installed using **yarn add joi**
11. jsonwebtoken:
 - **Version:** 8.5.1
 - It is used for user authentication
 - Installed using **yarn add jsonwebtoken**
12. mongoose:
 - **Version:** 6.2.3
 - It is a MongoDB object modeling tool designed to work in an asynchronous environment. Mongoose supports both promises and callbacks.
 - Installed using **yarn add mongoose**
13. multer:
 - **Version:** 1.4.4
 - It is a node.js middleware for handling multipart/form-data, which is primarily used for uploading files.
 - Installed using **yarn add multer**
14. nodemailer:
 - **Version:** 6.7.2
 - Used for sending mail through node js
 - Installed using **yarn add nodemailer**

15. nodemon:

- **Version:** 2.0.15
- Used for running the server continuously without having to restart it every time any change is made.
- Installed using **yarn add nodemon**

16. stripe:

- **Version:** 8.215.0
- This is used to create customers and payments in the stripe dashboard as part of the payment gateway.
- Installed using **yarn add stripe**

17. jest:

- **Version:** 27.5.1
- Jest is a delightful JavaScript Testing Framework.
- It is used to write test cases, group them and run them using the jest cli
- Installed using **yarn add jest**

18. supertest:

- **Version:** 6.2.2
- It is used for testing APIs by mocking them.
- Installed using **yarn add supertest**

External dependencies for frontend:

1. @babel/core:

- **Version:** 7.0.0
- Installed using **yarn add @babel/core**

2. @babel/plugin-syntax-flow:

- **Version:** 7.14.5
- Installed using **yarn add @babel/plugin-syntax-flow**

3. @babel/plugin-transform-react-jsx:

- **Version:** 7.14.901
- Installed using **yarn add @babel/plugin-transform-react-jsx**

4. @emotion/react:

- **Version:** 11.8.1
- Installed using **yarn add @emotion/react**

5. @emotion/styled:

- **Version:** 11.8.1
- Installed using **yarn add @emotion/styled**

6. @material-ui/core:
 - **Version:** 4.12.3
 - Provide styled components
 - Installed using **yarn add @material-ui/core**
7. @material-ui/icons:
 - **Version:** 4.11.2
 - Peer dependency of @material-ui/core
 - Installed using **yarn add @material-ui/icons**
8. @mui/icons-material:
 - **Version:** 5.5.1
 - Provides beautiful icons that pair well with the material UI
 - Installed using **yarn add @mui/icons-material**
9. @mui/material:
 - **Version:** 5.4.3
 - Installed using **@mui/material**
10. @mui/styled-engine-sc:
 - **Version:** 5.4.2
 - Installed using **yarn add @mui/styled-engine-sc**
11. @testing-library/dom:
 - **Version:** 8.12.0
 - Installed using **yarn add @testing-library/dom**
12. @testing-library/jest-dom:
 - **Version:** 5.14.1
 - Installed using **yarn add @testing-library/jest-dom**
13. @testing-library/react:
 - **Version:** 12.0.0
 - Installed using **yarn add @testing-library/react**
14. @testing-library/user-event:
 - **Version:** 13.2.1
 - Installed using **yarn add @testing-library/user-event**
15. autoprefixer:
 - **Version:** 10.0.2
 - Installed using **yarn add autoprefixer**

16. moment:

- **Version:** 2.29.1
- A library used to work with time
- Installed using **yarn add moment**

17. postcss:

- **Version:** 8.1.0
- Installed using **yarn add postcss**

18. react:

- **Version:** 17.0.2
- This is the main dependency that powers the frontend app.
- The project is scaffolded using the official create-react-app project boilerplate
- Installed using **yarn add react**

19. react-dom:

- **Version:** 17.0.2
- Using this to route between the pages
- Installed using **yarn add react-dom**

20. react-google-login:

- **Version:** 5.2.2
- Used to work with OAuth
- Installed using **yarn add react-google-login**

21. react-redux:

- **Version:** 7.2.6
- Used for state management, as the app grows, prop drilling and lifting of states occur, hence used to make a central store of state for the app
- Installed using **yarn add react-redux**

22. react-router-dom:

- **Version:** 6.2.1
- Peer dependency to work with routing
- Installed using **yarn add react-router-dom**

23. react-scripts:

- **Version:** 5.0.0
- Part of the create-react-app template, gives the ability to build and run the react app for both dev and prod environments
- Installed using **yarn add react-scripts**

24. redux:

- **Version:** 4.1.2
- Redux is used as a data store for any UI layer.
- Installed using **yarn add redux**

25. redux-thunk:

- **Version:** 2.4.1
- It is used as a middleware that lets us call actions creators that returns a function instead of an action object. The function received stores dispatch method
- Installed using **yarn add redux-thunk**

26. styled-components:

- **Version:** 5.3.5
- It is used as tagged template literals to style your components
- Installed using **yarn add styled-components**

27. web-vitals:

- **Version:** 2.1.0
- Installed using **yarn add web-vitals**

28. typescript:

- **Version:** 4.6.3
- Peer dependency for other dependencies
- Installed using **yarn add typescript**

29. sweetalert2:

- **Version:** 11.4.8
- Used to make alert boxes
- Installed using **yarn add sweetalert2**

30. sweetalert2:react-content

- **Version:** 4.2.0
- The react version of the sweet alert – a wrapper to work with the core of the sweet alert library
- Installed using **yarn add sweetalert2:react-content**

31. stripe

- **Version:** 8.215.0
- The react-stripe-checkout package depends on this
- Installed using **yarn add stripe**

32. react-stripe-checkout

- **Version:** 2.6.3
- For integrating the payment gateway, this package provides an API that exports a button to make payment requests to the Stripe account
- It requires the public key of the stripe account to make the payment request
- Installed using **yarn add react-stripe-checkout**