1. We are using express so that we can use rest api.
2. .env use -> we use this so that it would make file confidential , it would not get pushed or revealed in github. Dotenv packages contain secret key , contain secure data, secure packages etc.

3. Adding packages- npm I express colors morgan dotenv cors nodemon these are packages we are going to install via terminal

4. we use body parser when we have to send client data from json to server, express provides body parser

5. we use nodemon so that we don’t have to restart the server again if we apply changes .

6. we set up the mongodb cluster , installed mongodb compass app. In this app we paste our string which we got from cluster overview ->connect etc. to see what we are doing with the database

7. installing mongoose data packages from vs terminal this help to connect our database, we can create schema/tables and we can do CRUD operations

8. we connect our database with server

9 we are creating app from the cmd named as client , since we are making full stack project so that to get ease in hosting we are creating as client to keep this in root as client is frontend .

If we do not have react application then we use to create folder named as public and inside that we create folder named as view and we use to folder of html in view , since we are using here a library of javascript so , we are creating here as a client and we configure this in a package called package.json file , then we add a script so that we can run both the packages .

10. we are using CSS library of bootstrap, and we wiil add this in our html file.

11. Concurrently package: when we have to run two server then we use this package ,it is a very popular package, here two server is one of node and other is of react .

12. downloading packages of react showing in package.json of client folder

PS E:\Expense-management-system> cd client 🡪 we switched to client folder and then we type npm i axios react-router-dom redux react-redux

PS E:\Expense-management-system\client> npm i axios react-router-dom redux react-redux

13. we are installing ant design from terminal npm install antd

Ant Design (Antd) is a popular design system and React UI library created by the Alibaba Group. It offers a set of high-quality components and design patterns for building web applications. Here are some of the benefits of using Ant Design:

1. **Consistent Design**: Ant Design provides a consistent and visually appealing design language, ensuring that your application's UI elements look professional and cohesive.
2. **Responsive Components**: The library offers a wide range of responsive components that adapt well to different screen sizes and devices, making it easier to create applications that work smoothly across various platforms.
3. **Efficiency**: Ant Design's pre-designed components save development time by providing ready-to-use building blocks. This enables developers to focus more on business logic rather than spending time on UI development from scratch.
4. **Customizability**: While Ant Design provides a default design style, it's highly customizable. You can easily tweak colors, typography, and other design elements to match your brand or project requirements.
5. **Accessibility**: Ant Design places a strong emphasis on accessibility, ensuring that the components are usable by people with disabilities. This helps in creating inclusive applications that can be used by a wider audience.
6. **Internationalization**: Ant Design supports internationalization (i18n) out of the box, making it easier to build applications that can be easily translated into different languages.
7. **Community and Documentation**: Ant Design has a vibrant community and comprehensive documentation. This makes it easier to get help, find solutions, and learn how to use the library effectively.
8. **Ecosystem Integration**: Ant Design works well with the React ecosystem, and it's compatible with tools like React Router and Redux. This allows you to integrate the library seamlessly into your existing projects.
9. **Rapid Prototyping**: With a wide variety of components available, you can quickly prototype and iterate on ideas, showcasing functionality to stakeholders before diving into complex development.
10. **Regular Updates**: The Ant Design team frequently releases updates and improvements, ensuring that you can take advantage of the latest features and fixes.

In short, Ant Design simplifies the process of creating attractive and functional UIs for web applications by offering a collection of well-designed and customizable components, saving developers time and effort in the development process.

14. server.js runs on port 8080 and react.js runs on port 3000  
so in order to combine both we will install concurrently package

15.