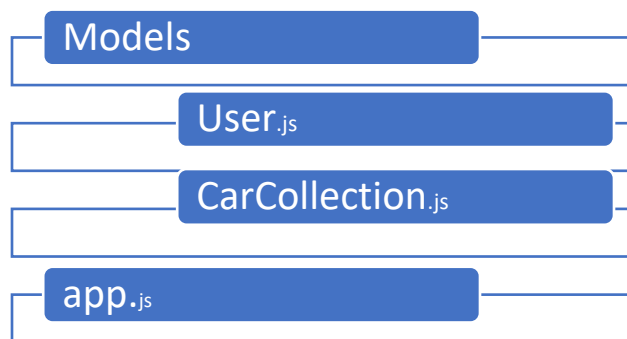


Overview:

The system/app is designed to register new users into the system and afterwards, through a login mechanism those users are granted access to the protected resources of the system.

Folder Structure:



APIs:

- (/) HomePage
- (/register) For Registration/SignUp
- (/login) For Loggin in
- (/verify) For Testing Authentication
- (/protectedresources) For Accessing Protected Resources as an authenticated user
- (/carname=name) For Accessing Car's Collection in the database by name
- (/addCar) For Adding Cars into the Car's Collection at the database
- (/deleteCar) For Deletion of one object in the Car by name
- (/logout) For Loggin Out of the application

Functionality:

User Register/Sign-up:

- New users can Sign-up
- The username must be unique
- Password must not be less than 6 characters
- Password hashing is performed to protect the user

Log-In:

- The user gets to log
- Upon Successful Login, a JWT will be issued which will have a validity of 5 minutes as the database is very small and just has one collection to explore.

Log-Out:

- The log-out functionality is performed by appending the authorization token in the header, to a global array. If it is already an expired token, then the user will get an error. Else will be logged.

APIs Protection:

- The API endpoints are protected using a middleware, which authenticates the user for each HTTP request and verifies the token. In this way, only the authorized users have access to the resources.

Tools:

Node.js, Express.js, MongoDB