**Passport Setup:-**

app.use(

  require("express-session")({

    secret: "Ivar the Boneless!",

    resave: false,

    saveUninitialized: false,

  })

);

app.use(passport.initialize());

app.use(passport.session());

passport.use(new LocalStrategy(User.authenticate()));

passport.serializeUser(User.serializeUser());

passport.deserializeUser(User.deserializeUser());

***Sign-up form and Logic:-***

*//Auth Routes*

*//Signup form*

app.get("/register", (req, res) => {

  res.render("register");

});

*//Signup logic*

app.post("/register", (req, res) => {

  let newUser = new User({ username: req.body.username });

  User.register(newUser, req.body.password, function (err, user) {

*if* (err) {

      console.log(err);

*return* res.redirect("/register");

    } *else* {

      passport.authenticate("local")(req, res, function () {

        res.redirect("/campgrounds");

      });

    }

  });

});

***Login logic:-***

*//Login Form*

app.get("/login", (req, res) => {

  res.render("login");

});

*//Login Logic*

app.post(

  "/login",

  passport.authenticate("local", {

    successRedirect: "/campgrounds",

    failureRedirect: "/login",

  }),

  (req, res) => {}

);

***General Form of Login Logic:-***

***app.post(“/login”,middleware,callback);***

***callback does nothing and***

***middleware=***

app.post(

  "/login",

  passport.authenticate("local", {

    successRedirect: "/campgrounds",

    failureRedirect: "/login",})

***Logout logic:-***

*//Logout*

app.get("logout", (res, res) => {

  req.logout();

  res.redirect("/campgrounds");

});

***VVV Important notes:-***

1. ***(a)To fix navbar login,logoff,signin options write the following code at TOP:-***
2. app.use(function (req, res, next) {
3. res.locals.currentUser = req.user;
4. next();
5. });

***(b)Then pass following object to every render routes***

{

currentUser: req.user,

        }

***2)To refactor code shorten*** [***URL:-***](URL:-)

***In app.js:-***

let commentRoutes = require("./routes/comments");

let campgroundRoutes = require("./routes/campgrounds");

let authRoutes = require("./routes/index");

app.use(authRoutes);

app.use("/campgrounds/:id/comments", commentRoutes);

app.use("/campgrounds", campgroundRoutes);

***VVVImportant :- to merge the params of shorten url to the say comments.js file and use express routers use:-***

let express = require("express");

let router = express.Router({ mergeParams: true });

In the end of the file place:-

module.exports = router;