

\* app.use ("view engine", "ejs");  
// tells express to use EJS as its view Engine  
always below const app = express();

\* Create a new folder **views** where the EJS will go and look for files to render

Inside views create files of type ejs

\* Embedded JS templating  
<% = EJS %>

The screenshot shows a code editor with the following structure:

- Project tree:
  - todolist-v1
  - node\_modules
  - views
    - list.ejs
  - app.js
  - index.html
  - package-lock.json
  - package.json
  - weekday.html
  - weekend.html
- Code editor tabs:
  - app.js
  - list.ejs

Content of app.js:

```
//jshint esversion:6
const express = require("express");
const bodyParser = require("body-parser");
const app = express();
app.use("view-engine", "ejs");
app.get("/", function(req, res){
  var today = new Date();
  var currentDay = today.getDay();
  var day = "";
  if (currentDay === 6 || currentDay === 0) {
    day = "Weekend";
  } else {
    whichfile what to
    day = "Weekday";
    render in
    form of Object
  }
});
app.listen(3000, function(){
  console.log("Server started on port 3000");
});
```

```
<% %> scribbler Tags are used wherever there is JS in HTML file
<% %>
```

<% %> scribbler Tags are used wherever there is JS in HTML file  
\* They must be used on line to line basis

\* res.sendFile = res.render

```
+ var options = {weekday: 'long', year: 'numeric', month: 'long',
    day: 'numeric'};
var today = new Date();
today.toLocaleDateString("en-US")
("en-US", option) Saturday Sep 17, 2016
("hi-IN", option) શાન્દુર, ૧૭ સપ્ટેમ્બર ૨૦૧૬
```

9/17/2016

```
var today = new Date();

var options = {
  weekday: "long",
  day: "numeric",
  month: "long"
};

• var day = today.toLocaleDateString("en-US")
```

Output : Thursday, June 7

```
app.get("/", function(req, res) {
  var today = new Date();

  var options = {
    weekday: "long",
    day: "numeric",
    month: "long"
  };

  var day = today.toLocaleDateString("en-US", options);

  res.render("list", {kindOfDay: day});

});;

app.post("/", function(req, res){
  var item = req.body newItem;
  • res.render("list", {newListItem: item});
});;

app.listen(3000, function() {
  console.log("Server started on port 3000");
});;
```

here only kind of Day will be sent to home route and not newItem as it is not defined in the / route in get

```
const bodyParser = require("body-parser");

const app = express();
var items = [];
app.set('view engine', 'ejs');

app.use(bodyParser.urlencoded({extended: true}));

app.get("/", function(req, res) {
  var today = new Date();

  var options = {
    weekday: "long",
    day: "numeric",
    month: "long"
  };

  var day = today.toLocaleDateString("en-US", options);

  res.render("list", {kindOfDay: day, newListItem: item});
});

app.post("/", function(req, res){
  item = req.body newItem;
  res.redirect("/");
});

app.listen(3000, function() {
  console.log("Server started on port 3000");
});
```

here also a error will be thrown as item is not defined in app.get. It is only defined after a post request is made this problem is called scope

```

var items = [];

app.set('view engine', 'ejs');

app.use(bodyParser.urlencoded({extended: true}));

app.get("/", function(req, res) {
    var today = new Date();

    var options = {
        weekday: "long",
        day: "numeric",
        month: "long"
    };

    var day = today.toLocaleDateString("en-US", options);

    res.render("list", {kindOfDay: day, newListItems: items});
});

app.post("/", function(req, res){
    var item = req.body newItem;
    items.push(item);
    res.redirect("/");
});

app.listen(3000, function() {
    console.log("Server started on port 3000");
})

```

```

<!DOCTYPE html>
<html lang="en" dir="ltr">

<head>
    <meta charset="utf-8">
    <title>To Do List</title>
</head>

<body>

<h1> <%= kindOfDay %> </h1>

<ul>
    <li>Buy Food</li>
    <li>Cook Food</li>
    <li>Eat Food</li>
<% for (var i=0; i<newListItems.length; i++) { %>
    <li><%= newListItems[i] %></li>
<% } %>
</ul>

<form class="" action="/" method="post">
    <input type="text" name="newItem">
    <button type="submit" name="button">Add</button>
</form>
</body>
</html>

```

+ If we create var inside a block of code like in if else, for, while then we can access it outside also of the block but not with let or const

## # Todo App

```
<!DOCTYPE html>
<html lang="en" dir="ltr">

<head>
  <meta charset="utf-8">
  <title>To Do List</title>
  <link rel="stylesheet" href="css/styles.css">
</head>

<body>

  <div class="box" id="heading">
    <h1>=<= listTitle >=</h1>
  </div>

  <div class="box">
    <% for (let i=0; i<newListItems.length; i++) { %>
      <div class="item">
        <input type="checkbox">
        <p>=<= newListItems[i] >=</p>
      </div>
    <% } %>
  </div>

  <form class="item" action="/" method="post">
    <input type="text" name="newItem" placeholder="New Item" autocomplete="off">
    <button type="submit" name="list" value=<= listTitle >><= listTitle >></button>
  </form>
</div>

</body>

</html>
```

```
//jshint esversion:6
const express = require("express");
const bodyParser = require("body-parser");
const date = require(__dirname + "/date.js"); I

const app = express();

let items = ["Buy Food", "Cook Food", "Eat Food"];
let workItems = [];

app.set('view engine', 'ejs');

app.use(bodyParser.urlencoded({extended: true}));
app.use(express.static("public"));

app.get("/", function(req, res) {
  let day = date.getDate();
  res.render("list", {listTitle: day, newListItems: items});
});

app.post("/", function(req, res){ I
  let item = req.body newItem;
```

list.js

```
<!-- include("header") -->
<div class="box" id="heading">
  <h1> ${listTitle} </h1>
</div>

<div class="box">
  <% for (let i=0; i<newListItems.length; i++) { %>
    <div class="item">
      <input type="checkbox">
      <p> ${newListItems[i]} </p>
    </div>
  <% } %>

  <form class="item" action="/" method="post">
    <input type="text" name="newItem" placeholder="New Item" autocomplete="off">
    <button type="submit" name="list" value=" ${listTitle} ></button>
  </form>
</div>

<!-- include("footer") -->
```

date.js

```
//jshint esversion:6

module.exports.getDate = function() {

  let today = new Date();

  let options = {
    weekday: "long",
    day: "numeric",
    month: "long"
  };

  return today.toLocaleDateString("en-US", options);
};

module.exports.getDay = function () {
  let today = new Date();

  let options = {
    weekday: "long"
  };

  return today.toLocaleDateString("en-US", options);
}

if (req.body.list === "Work") {
  workItems.push(item);
  res.redirect("/work");
} else {
  items.push(item);
  res.redirect("/");
}

app.get("/work", function(req,res){
  res.render("list", {listTitle: "Work List", newListItems: workItems});
});

app.get("/about", function(req, res){
  res.render("about");
});

app.listen(3000, function() {
  console.log("Server started on port 3000");
});
```