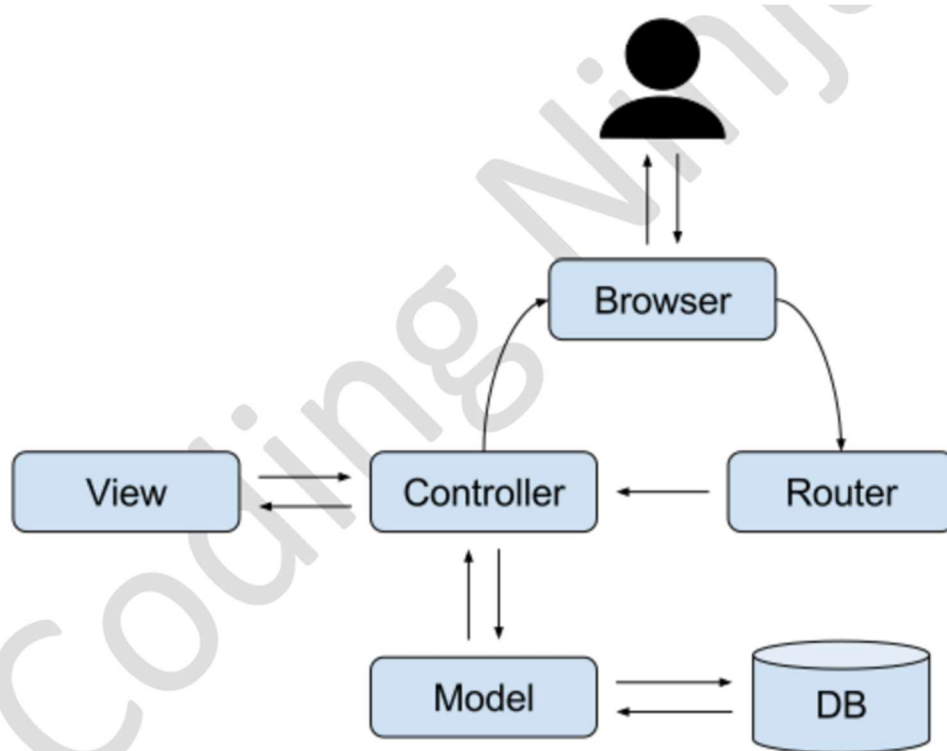The MVC (Model-View-Controller) is an architectural pattern that separates an application into three main logical components: the model, the view, and the controller. Each of these components are built to handle specific development aspects of an application. MVC is one of the most frequently used industry-standard web development frameworks to create scalable and extensible projects.

MVC Architecture:

Models The Model component corresponds to all the data-related logic that the user works with. It is the representation of information or data that you want to display to user. Model gets all these data from database and data can be read, updated and deleted.

View It is all the front-end code via which the website is presented in front of the user. It includes all the CSS, HTML and JavaScript. Any ajax is called in view. Using view, the user interacts with the website.

Controller It acts as the interface between the Model and View. The controller responds to the user input and performs interactions on the data model objects. The controller receives the input, optionally validates it and then passes the input to the model.

For example, if a user wants to see their profile, view will send the request to controller, in controller the code to read the profile will execute and send a request to model. After this model will return the requested data by controller will display the data via view to the user.

Using EJS template engine:

03_Express_App > JS index.js > ⊘ app.get('/practice') callback > 🔧 title

```js
const express=require('express');
const port=8000;
const path=require('path');
const app=express();

app.set('view engine','ejs');
app.set('views',path.join(__dirname,'views'));
app.get('/', function(req, res){
    console.log(__dirname);
    //console.log(req);
    //res.send('<h1>Cool, It is running! or is it?</h1>');
    return res.render('home',{title:"Dynamic Title"});
});
app.get('/practice', function(req, res){
    return res.render('practice',{
        title:"Practice"});
});
app.listen(port, function(err){
    if(err){
        console.log('Error in running the Server', err);
    };
    console.log('Yup! My Express server is running on port: ', port);
});
```

03_Express_App > views > <> home.ejs > ⊘ html

```html
<html>
    <head>
        <title>
            <%= title %>
        </title>
    </head>
    <body>
        <h1>Rendered from  EJS View!</h1>
    </body>
</html>
```

```
 1    <html>
 2        <head>
 3            <title>
 4                <%= title %>
 5            </title>
 6        </head>
 7        <body>
 8            <h1>Playground</h1>
 9            <ul>
10                <% for (let i=1; i<6; i++) { %>
11                <li>
12                    <%= i %>
13                </li>
14                <%}%>
15            </ul>
16            <% if (true){ %>
17                <h1>It's true!</h1>
18            <% }else{ %>
19                <p>It's false :(</p>
20            <% } %>
21        </body>
22    </html>
```