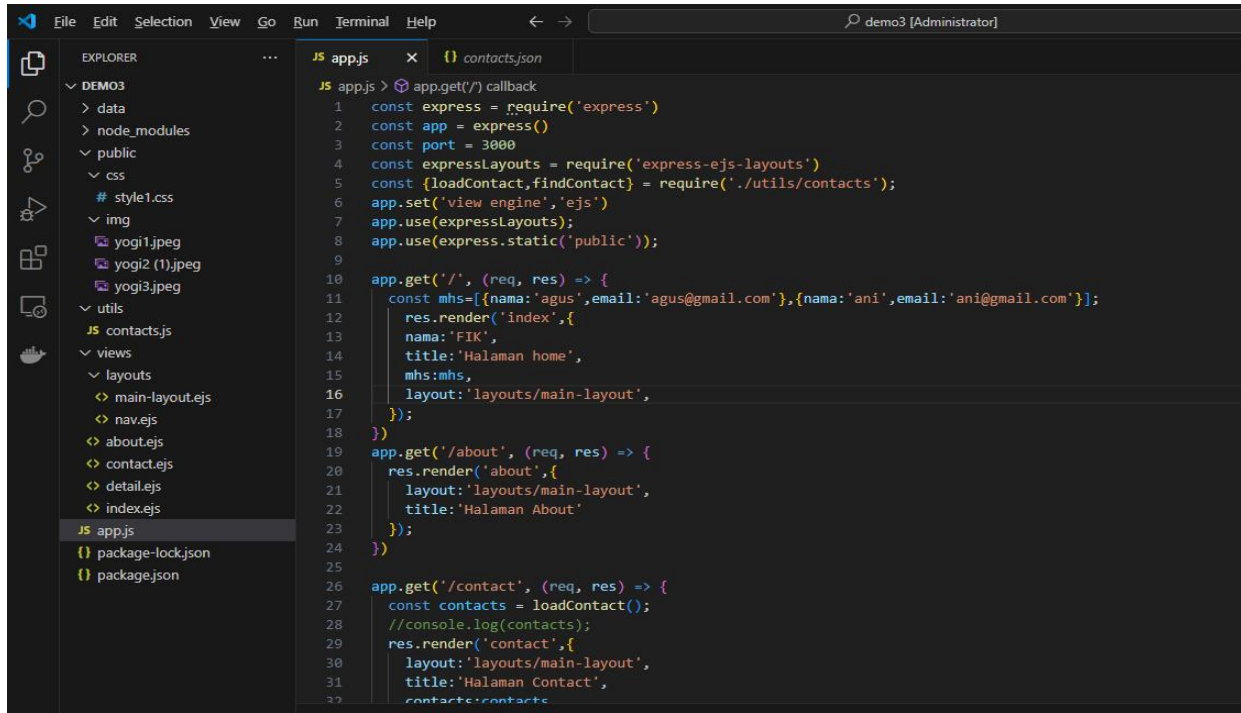


- Latihan Menggunakan expressJS, ejs, express-ejs-layouts

Struktur project:



Pada commandline

npm install -g nodemon

npm install express --save

npm install ejs

npm install express-ejs-layouts

app.js

```

const express = require('express')
const app = express()
const port = 3000
const expressLayouts = require('express-ejs-layouts')
const {loadContact,findContact} = require('./utils/contacts');
app.set('view engine','ejs')
app.use(expressLayouts);

```

```

app.use(express.static('public'));

app.get('/', (req, res) => {
  const
mhs=[{nama:'agus',email:'agus@gmail.com'},{nama:'ani',email:'ani@gmail.com'}];
  res.render('index',{
    nama:'FIK',
    title:'Halaman home',
    mhs:mhs,
    layout:'layouts/main-layout',
  });
})
app.get('/about', (req, res) => {
  res.render('about',{
    layout:'layouts/main-layout',
    title:'Halaman About'
  });
})

app.get('/contact', (req, res) => {
  const contacts = loadContact();
  //console.log(contacts);
  res.render('contact',{
    layout:'layouts/main-layout',
    title:'Halaman Contact',
    contacts:contacts,
  });
})
app.get('/contact/:nama', (req, res) => {
  const contact = findContact(req.params.nama);
  res.render('detail',{
    layout:'layouts/main-layout',
    title:'Halaman Detail Contact',
    contact,
  });
})
app.listen(port, () => {
  console.log(`Example app listening on port ${port}`);
})

```

views/index.ejs

```

<div class="container">
  <div class="row">
    <div class="col text-center">
      
      <h1 class="display-4">Amir</h1>
      <p class="lead">Dosen & Software Developer</p>
    </div>
  </div>
</div>

```

views/details.ejs

```

<div class="container mt-3">
  <div class="row">
    <div class="col-md-8">
      <h2>Detail Contact </h2>
      <%if (!contact){%>
        <div class="alert alert-danger fw-bold" role="alert">
          data contact ga ono rek <br /><a href="/contact"
class="alert-link fw-normal">&laquo;back to Contacts</a>.
        </div>
      <%}else{%>
        <div class="card" style="width: 18rem;">
          <div class="card-body">
            <h5 class="card-title"><%= contact.nama %></h5>
            <h6 class="card-subtitle mb-2 text-body-secondary"><%=
contact.nohp %></h6>
            <p class="card-text"><%= contact.email %></p>
            <a href="/contact" class="card-
link">Back</a>
          </div>
        </div>
      <%}%>
    </div>
  </div>
</div>

```

views/contact.ejs

```

<div class="container mt-3">
  <div class="row">
    <div class="col-md-8">
      <h2>Daftar Contact</h2>

```

```

<table class="table">
  <thead>
    <tr>
      <th scope="col">#</th>
      <th scope="col">Nama</th>
      <th scope="col">Telp</th>
      <th scope="col">Aksi</th>
    </tr>
  </thead>
  <tbody>
    <%if (contacts.length===0){%>
      <div class="alert alert-danger fw-bold" role="alert">
        data contact kosong
      </div>
    <%}else{%>
      <% nmr=0;
      contacts.forEach(c=>{
        nmr=nmr+1;
        %>
        <tr>
          <th scope="row"><%= nmr %></th>
          <td><%= c.nama %></td>
          <td><%= c.nohp %></td>
          <td><a href="/contact/<%= c.nama %>" class="btn btn-success
badge rounded-pill"><i class="bi bi-info-circle"></i> Detail</a></td>
        </tr>
        <%
      });
    }%>

  </tbody>
</table>
</div>
</div>
</div>

```

views/about.ejs

```
<h1>Ini halaman About HTML</h1>
```

views/layouts/main-layout.ejs

```
<!doctype html>
```

```

<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title><%= title; %></title>
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
QWTKZyjpPEjISv5WaRU90FeRpok6YctnYmDr5pNlyT2bRjXh0JMhY6hW+ALEwIH"
crossorigin="anonymous">
    <!-- my css -->
    <link rel="stylesheet" href="css/style1.css">
    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-
icons@1.11.3/font/bootstrap-icons.min.css">
  </head>
  <body>
    <%- include('nav'); %>

    <div class="container">
      <%- body %>
    </div>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"
" integrity="sha384-
YvpcrYf0tY3lHB60NNkMx5s9fDVZLESA55NDz0xhy9GkclK1eN7N6jIeHz"
crossorigin="anonymous"></script>
  </body>
</html>

```

views/layouts/nav.ejs

```

<nav class="navbar navbar-expand-lg navbar-dark bg-dark ">
  <div class="container">
    <a class="navbar-brand" href="#">App Contact</a>
    <button class="navbar-toggler" type="button" data-bs-toggle="collapse"
data-bs-target="#navbarNav" aria-controls="navbarNav" aria-expanded="false" aria-
label="Toggle navigation">
      <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navbarNav">
      <ul class="navbar-nav">
        <li class="nav-item">
          <a class="nav-link active" aria-current="page" href="/">Home</a>
        </li>
        <li class="nav-item">

```

```

    <a class="nav-link" href="/about">About</a>
  </li>
  <li class="nav-item">
    <a class="nav-link" href="/contact">Contact</a>
  </li>
  <li class="nav-item">
    <a class="nav-link disabled" aria-disabled="true">Disabled</a>
  </li>
</ul>
</div>
</div>
</nav>

```

utils/contact.js

```

const fs = require('fs');

//buat folder jika blm ada
const dirPath="./data";
if (!fs.existsSync(dirPath)){
  fs.mkdirSync(dirPath);
}
//buat file contacts.json
const dataPath="./data/contacts.json";
if (!fs.existsSync(dataPath)){
  fs.writeFileSync(dataPath,'[]','utf-8');
}
//ambil semua data contacts
const loadContact={()=>{
  const fileBuffer=fs.readFileSync('data/contacts.json','utf-8');
  const contacts=JSON.parse(fileBuffer);
  return contacts;
}};
const findContact=(nama)=>{
  const contacts=loadContact();
  const
contact=contacts.find((contact)=>contact.nama.toLowerCase()===nama.toLowerCase());
  return contact;
};

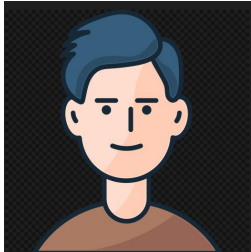
module.exports={loadContact,findContact};

```

public/css/style1.css

```
body{
  background-color:#eee;
}
```

public/img/man.png



Data/contacts.json

```
[{"nama":"slamet","nohp":"081234565","email":"slamet@gmail"}, {"nama":"agus suwanda","nohp":"081234567"}]
```

<http://localhost:3000/>

