PUG 기반 BIM 카탈로그 블로그 만들기

앞에서 작업했던 Express, Bootstrap 에 PUG 를 추가한 BIM 카탈로그 블로그를 만들어본다(github code download).

1. 폴더 생성

```
mkdir catBIM
cd catBIM
mkdir views
cd views
mkdir includes
mkdir mixins
cd ..
```

2. package.json 파일 생성

```
{
  "name": "BIM catalog",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo ₩"Error: no test specified₩" && exit 1",
    "start": "node index.js"
  },
  "keywords": [],
  "author": "",
  "license": "ISC",
  "dependencies": {
    "axios": "^0.21.1",
    "express": "^4.17.1",
    "pug": "^3.0.0"
  }
}
```

3. 패키지 설치

```
npm init -y
```

npm install express pug axios

4. index.js 코딩

```
const express = require("express");
const axios = require("axios");
const app = express();

app.set("view engine", "pug");   // view engine 으로 pug 형식 지정.

app.get("/", async (req, res) => {
  const query = await axios.get("https://randomuser.me/api/?results=9");
  res.render("index", { users: query.data.results });
});

const PORT = 3000;   // 서버 실행
app.listen(PORT, () => {
  console.log(`Listening on port ${PORT}...`);
});
```

5. views/index.pug 코딩

```
extends layout.pug
include mixins/_thumbCard

block content
  .album.py-5.bg-light
    .container
      .row
        each user in users
          +thumbCard(user)
```

6. views/layout.pug 코딩

```
doctype html
html
  head
    title BIM Example
    link(rel='stylesheet' href='https://getbootstrap.com/docs/4.4/dist/css/bootstrap.min.css')
    style.
      .bd-placeholder-img {
        font-size: 1.125rem;
        text-anchor: middle;
        -webkit-user-select: none;
        -moz-user-select: none;
        -ms-user-select: none;
        user-select: none;
      }

      footer {
        padding-top: 3rem;
```

```
        padding-bottom: 3rem;
      }


      footer p {
        margin-bottom: .25rem;
      }


      @media (min-width: 768px) {
        .bd-placeholder-img-lg {
          font-size: 3.5rem;
        }
      }


  body
    include includes/header.pug

    main#main
      include includes/jumbotron.pug

      block content

    include includes/footer.pug

    script(src='https://code.jquery.com/jquery-3.4.1.slim.min.js')
    script(src='https://getbootstrap.com/docs/4.4/dist/js/bootstrap.bundle.min.js')
```

7. views/mixins/_thumbCard.pug 코딩

```
mixin thumbCard(user)
  .col-md-4
    .card.mb-4.shadow-sm
      svg.bd-placeholder-img.card-img-top&attributes({"width": "100%"}, {"height": "30"},
{"focusable": "false"}, {"role": "img"})
        title #{user.name.first} #{user.name.last}
        rect(width="100%" height="100%" fill="#55595c")
        text(x="50%" y="50%" fill="#eceeef" dy=".3em") #{user.name.first} #{user.name.last}
        img.ui.mini.rounded.image(src='https://sites.google.com/site/bimprinciple/_/rsrc/1355
538518737/in-the-news/bimforum-bimtofmlaxiyagi/LAX2.PNG?height=200&width=400')
      .card-body
        .card-text #{user.location.street.number} #{user.location.street.name}
        .card-text #{user.location.city}, #{user.location.state} #{user.location.postcode}
        .card-text.mb-4 #{user.location.country}
        .d-flex.justify-content-between.align-items-center
          .btn-group
            button.btn.btn-sm.btn-outline-secondary View
            button.btn.btn-sm.btn-outline-secondary Edit
          small.text-muted 9 mins
```

10. views/includes/header.pug 코딩

```
header
  .collapse.bg-dark#navbarHeader
```

```pug
            .container
              .row
                .col-sm-8.col-md-7.py-4
                  h4.text-white Hidden Content
                  p.text-muted Until now, we look at one side of 2-dimension framework force in the various engineering information which has been designed. Consequently, the information in the framework is transformed from the original design concept.
                .col-sm-4.offset-md-1.py-4
                  h4.text-white Contact
                  ul.list-unstyled
                    li
                      a.text-white(href='#') Facebook
                    li
                      a.text-white(href='#') Twitter
                    li
                      a.text-white(href='#') Instagram
  nav.navbar.navbar-dark.bg-dark.shadow-sm
    .container.d-flex.justify-content-between
      a.navbar-brand.d-flex.align-items-center
        //- Including the svg logo
        include logo.svg
        strong BIM Example
      button.navbar-toggler.collapsed&attributes({'data-toggle': 'collapse'}, {'data-target': '#navbarHeader'})
        span.navbar-toggler-icon
```

11. views/includes/jumbotron.pug 코딩

```pug
section.jumbotron.text-center
    .container
        h1 BIM Example
        p.lead.text-muted The fact that the concept of BIM is now new. Of course, it's not a tool or system. In academic, it can be traced back to the 1960s and since then it was researched and developed by various names.
        p
          a.btn.btn-primary.m-2(href="#") Main call to action
          a.btn.btn-secondary.m-2(href="#") Secondary action
```

12. views/includes/footer.pug 코딩

```pug
footer.text-muted
  .container
    p.float-right
      a(href="#") Back to top
    p BIM example is © Bootstrap, but please download and customize it for yourself!
    p New to Bootstrap? #[a(href="https://getbootstrap.com/") Visit the homepage] or read our #[a(href="https://getbootstrap.com/docs/4.4/getting-started/introduction/") getting started guide].
```

이미지파일 2 개 카피

    logo.svg
thumbnail.svg

13. 웹서버 실행
node index.js

localhost:3000 에 접속하면 다음 화면을 볼 수 있다.