

## <실행방법 가이드 문서>

- 실행환경: window

(데이터 베이스)

1. MySQL Client 실행
2. “HealthGallery”라는 이름의 데이터베이스를 생성

```
MariaDB [(none)]> create database HealthGallery;  
Query OK, 1 row affected (0.001 sec)
```

- \* “HealthGallery”의 데이터베이스에 테이블과 해당 테이블의 정보들은 제출한 프로젝트 WEB\_project/models/schema/의 파일들에 의해서(Sequelize를 통해) application 실행시 자동으로 생성됨.

3. 프로젝트에서 사용할 Database 계정을 생성

```
MariaDB [(none)]> create user gugukaka@localhost identified by 'gugukaka';  
Query OK, 0 rows affected (0.006 sec)
```

4. 계정에 필요한 권한을 부여

```
MariaDB [(none)]> grant all privileges on HealthGallery.* to gugukaka identified by 'gugukaka';  
Query OK, 0 rows affected (0.008 sec)
```

(node.js)

1. 실행에 필요한 NodeJS 모듈을 다운로드 받기 위해 커맨드 창에서 “npm i”명령어를 통해 설치 실행

```
PS D:\Lecture\2020-2\웹프로그래밍\WEB_project> npm i  
[.....] \ finalize:minimatch: sill finalize D:\Lecture\2020-2\웹프로그래밍\WEB_project\node_modules\minimat  
ch [.....] / finalize:npm-normalize-package-bin: sill finalize D:\Lecture\2020-2\웹프로그래밍\WEB_proj  
[.....] \ finalize:debug: sill finalize D:\Lecture\2020-2\웹프로그래밍\WEB_project\node_modules\pm2-axon\n  
[.....] \ finalize:iconv-lite: sill finalize D:\Lecture\2020-2\웹프로그래밍\WEB_project\node_modules\iconv-  
[.....] - finalize:readable-stream: sill finalize D:\Lecture\2020-2\웹프로그래밍\WEB_project\node_modules\fs  
[.....] / finalize:pm2/agent: sill finalize D:\Lecture\2020-2\웹프로그래밍\WEB_project\node_modules\pm2/a  
[.....] \ refresh-package-json:debug: sill refresh-package-json D:\Lecture\2020-2\웹프로그래밍\WEB_project\  
[.....] \ refresh-package-json:debug: sill refresh-package-json D:\Lecture\2020-2\웹프로그래밍\WEB_project\  
[.....] | refresh-package-json:@pm2/io: sill refresh-package-json D:\Lecture\2020-2\웹프로그래밍\WEB_projec  
[.....] | refresh-package-json:async: sill refresh-package-json D:\Lecture\2020-2\웹프로그래밍\WEB_project\  
[.....] | refresh-package-json:levn: sill refresh-package-json D:\Lecture\2020-2\웹프로그래밍\WEB_project\n  
[.....] \ refresh-package-json:continuation-local-storage: sill refresh-package-json D:\Lecture\2020-2\웹프  
[.....] - refresh-package-json:pseudomap: sill refresh-package-json D:\Lecture\2020-2\웹프로그래밍\WEB_proj  
[.....] / refresh-package-json:ms: sill refresh-package-json D:\Lecture\2020-2\웹프로그래밍\WEB_project\nod  
[.....] / refresh-package-json:negotiator: sill refresh-package-json D:\Lecture\2020-2\웹프로그래밍\WEB_pro  
[.....] | refresh-package-json:ms: sill refresh-package-json D:\Lecture\2020-2\웹프로그래밍\WEB_project\nod  
[.....] - refresh-package-json:inherits: sill refresh-package-json D:\Lecture\2020-2\웹프로그래밍\WEB_proje  
[.....] \ refresh-package-json:cookie: sill refresh-package-json D:\Lecture\2020-2\웹프로그래밍\WEB_project  
  
> bcrypt@5.0.0 install D:\Lecture\2020-2\웹프로그래밍\WEB_project\node_modules\bcrypt  
> node-pre-gyp install --fallback-to-build  
  
node-pre-gyp WARN Using needle for node-pre-gyp https download  
[bcrypt] Success: "D:\Lecture\2020-2\웹프로그래밍\WEB_project\node_modules\bcrypt\lib\binding\napi-v3\bcrypt_lib.node" i  
s installed via remote  
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.1.3 (node_modules\fsevents):  
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.1.3: wanted {"os":"darwin","arch":"any  
"} (current: {"os":"win32","arch":"x64"})  
  
added 335 packages from 392 contributors and audited 337 packages in 5.677s  
  
11 packages are looking for funding  
  run 'npm fund' for details  
  
found 0 vulnerabilities
```

2. 데이터베이스 접근에 필요한 환경변수를 WEB\_project/ecosystem.config.js 파일에서 관찰하므로 해당파일에서 USERNAME과 PASSWORD에 각각 자신의 MySQL의 유저 이름과 비밀번호를 작성

```
module.exports = {  
  apps: [  
    {  
      name: "HealthGallery",  
      script: "./bin/www",  
      watch: true,  
      watch_options: {  
        followSymlinks: false  
      },  
      env: {  
        NODE_ENV: 'development',  
        DATABASE: 'HealthGallery',  
        USERNAME: 'gugukaka',  
        PASSWORD: 'gugukaka',  
        SECRET_KEY: 'secret_key'  
      },  
      env_production: {  
        NODE_ENV: 'production'  
      }  
    }  
  ]  
};
```

### 3. 커맨드 창에서 “npm run start” 명령어를 통해 서버를 실행 (사진첨부)

```
PS D:\Lecture\2020-2\웹프로그래밍\WEB_project> npm run start

> healthgallery@0.0.0 start D:\Lecture\2020-2\웹프로그래밍\WEB_project
> pm2 start ecosystem.config.js --no-daemon

pm2 launched in no-daemon mode (you can add DEBUG="*" env variable to get more messages)
2020-12-03T01:04:20: PM2 log: Launching in no daemon mode
2020-12-03T01:04:20: PM2 log: [PM2][WARN] Applications HealthGallery not running, starting...
2020-12-03T01:04:20: PM2 log: [Watch] Start watching HealthGallery
2020-12-03T01:04:20: PM2 log: App [HealthGallery:0] starting in -fork mode-
2020-12-03T01:04:20: PM2 log: App [HealthGallery:0] online
2020-12-03T01:04:20: PM2 log: [PM2] App [HealthGallery] launched (1 instances)
2020-12-03T01:04:20: PM2 log:
```

id	name	namespace	version	mode	pid	uptime	u	status	cpu	mem
0	HealthGallery	default	0.0.0	fork	9104	0s	0	online	12.5%	35.2mb

```

2020-12-03T01:04:20: PM2 log: [--no-daemon] Continue to stream logs
2020-12-03T01:04:20: PM2 log: [--no-daemon] Exit on target PM2 exit pid=6720
0|HealthGallery | Executing (default): CREATE TABLE IF NOT EXISTS 'users' ('id' INTEGER NOT NULL auto_incremen
t, 'username' VARCHAR(255) NOT NULL UNIQUE, 'password' VARCHAR(255) NOT NULL, 'name' VARCHAR(255) NOT NULL, 'birth' DAT
ETIME NOT NULL, 'isMan' TINYINT(1) NOT NULL, 'createdAt' DATETIME NOT NULL, 'updatedAt' DATETIME NOT NULL, PRIMARY KEY ('
id')) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE utf8_general_ci;
0|HealthGallery | Executing (default): SHOW INDEX FROM 'users'
0|HealthGallery | Executing (default): CREATE TABLE IF NOT EXISTS 'documents' ('id' INTEGER NOT NULL auto_incr
ement, 'title' VARCHAR(255) NOT NULL, 'content' TEXT NOT NULL, 'userId' INTEGER NOT NULL, 'createdAt' DATETIME NOT NULL
, 'updatedAt' DATETIME NOT NULL, PRIMARY KEY ('id'), FOREIGN KEY ('userId') REFERENCES 'users' ('id') ON DELETE NO ACTIO
N ON UPDATE CASCADE) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE utf8_general_ci;
0|HealthGallery | Executing (default): SHOW INDEX FROM 'documents'
0|HealthGallery | SYNC COMPLETED

```