FRONT END SECTION

1. Vue create frontend include vue router and vuex
2. vue add vuetify
3. install dependencies with npm install:
   1. axios to communicate with backend
   2. random string to create image file name
4. create sidebar component
5. create landing page
6. create dashboard page
7. create project management page
8. create login page
9. configure breadcrumb, alert, and vuex

FRONT END SECTION

1. npm init -y
2. create .env file make variable name ACCESS\_TOKEN\_SECRET with value random string

ACCESS\_TOKEN\_SECRET = JHjahfljakdfhuahj713467JKJfkjhfsdJKH

1. install dependencies with npm install:
   1. cors: to allows a server to communicate with our backend
   2. express: frameword for our backend
   3. jsonwebtoken: use to make token authentication
   4. multer: to upload file
   5. mysql2: driver for mysql database
   6. sequelize: ORM tools
2. create and configure file index.js
3. define database configuration
4. create model to make table ini database
5. create route for api
6. create controller base on route that make before