.lean()

guards

**PRESENTATION LAYER**

VIEWS

- LAYOUTS (main.hbs)

- PARTIALS (product.hbs)

- register, login, logout

- home, about

- details, create, ...

STATIC

- CSS (site.css)

- IMAGES (favicon.png, logo.png)

MIDDLEWARES

- auth.js

\* req.auth (register, login, logout)

\* req.user

\* res.locals.user

- guards.js (isUser, isOwner)

- storage.js

\* req.storage (getAll, ...)

- logger.js (>>> GET /)

MODELS

- Product.js

- User.js

**DATABASE**

SERVICES

- product.js (getAll, ...)

- user.js (create, getByUsername)

CONTROLLERS

- authController.js

\* /register (get, post)

\* /login (get, post)

\* /logout (get)

- homeController.js

\* /, /about, /404

- productController.js

\* /create (get, post)

\* /details/:id (get)

\* /edit/:id (get, post)

**BUSINESS LOGIC**

CONFIG

- database.js

\* connect DB (Promise)

\* connection: error/open

- express.js

\* Handlebars, static

\* body parser, cookie parser

- middlewares.js

\* storage

\* auth

\* logger

- routes.js (mount router on paths)

\* authController

\* homeController

\* productController

- index.js

\* PORT

\* DB\_CONNECTION\_STRING

\* TOKEN\_SEKRET

\* COOKIE\_NAME

INDEX.JS

- run Express settings

- run database settings

- add custom middlewares

- add routing

- start server

**INITIALIZATION LOGIC**

**BUSINESS LOGIC**