Front-end antes:

```
==================================================
  NLOC    CCN   token  PARAM  length  location
--------------------------------------------------
     7      2      42      0       8 (anonymous)@8-15@./TP-ENG2/frontend/src/api/index.ts
     3      1      10      0       3 (anonymous)@16-18@./TP-ENG2/frontend/src/api/index.ts
     1      1       3      0       1 setLoading@48-48@./TP-ENG2/frontend/src/pages/SignUp/index.jsx
     2      1       8      1       2 setLoading@48-49@./TP-ENG2/frontend/src/pages/SignUp/index.jsx
    25      4     128      0      34 handleSignUp@18-51@./TP-ENG2/frontend/src/pages/SignUp/index.jsx
     4      1       9      0       4 (anonymous)@110-113@./TP-ENG2/frontend/src/pages/SignUp/index.jsx
     2      1       9      0       2 (anonymous)@118-119@./TP-ENG2/frontend/src/pages/SignUp/index.jsx
     2      1       9      0       2 (anonymous)@127-128@./TP-ENG2/frontend/src/pages/SignUp/index.jsx
     1      1       5      0       1 handleClose@30-30@./TP-ENG2/frontend/src/pages/Home/components/DietModal/index.jsx
     9      1      22      1      10 ?.at@35-44@./TP-ENG2/frontend/src/pages/Home/components/DietModal/index.jsx
     4      1      12      0       4 (anonymous)@59-62@./TP-ENG2/frontend/src/pages/Home/components/DietModal/index.jsx
     3      1       9      0       3 (anonymous)@77-79@./TP-ENG2/frontend/src/pages/Home/components/DietModal/index.jsx
     3      1       9      0       3 (anonymous)@90-92@./TP-ENG2/frontend/src/pages/Home/components/DietModal/index.jsx
     3      1       9      0       3 (anonymous)@103-105@./TP-ENG2/frontend/src/pages/Home/components/DietModal/index.jsx
     3      1       9      0       3 (anonymous)@118-120@./TP-ENG2/frontend/src/pages/Home/components/DietModal/index.jsx
     3      1       9      0       3 (anonymous)@133-135@./TP-ENG2/frontend/src/pages/Home/components/DietModal/index.jsx
     3      1       9      0       3 (anonymous)@148-150@./TP-ENG2/frontend/src/pages/Home/components/DietModal/index.jsx
     3      1       9      0       3 (anonymous)@162-164@./TP-ENG2/frontend/src/pages/Home/components/DietModal/index.jsx
   128      4     358      1     155 Date.toISOString.split@35-189@./TP-ENG2/frontend/src/pages/Home/components/DietModal/index.jsx
     3      1       6      0       3 (anonymous)@33-35@./TP-ENG2/frontend/src/pages/Home/components/DietCard/index.jsx
    38      1     113      4      40 DietCard@12-51@./TP-ENG2/frontend/src/pages/Home/components/DietCard/index.jsx
     4      1      12      0       4 handleAddDiet@20-23@./TP-ENG2/frontend/src/pages/Home/index.jsx
    10      2      43      0      11 handleCreateDiet@25-35@./TP-ENG2/frontend/src/pages/Home/index.jsx
     8      2      36      0       9 handleLoadUser@37-45@./TP-ENG2/frontend/src/pages/Home/index.jsx
     3      1       6      0       3 (anonymous)@47-49@./TP-ENG2/frontend/src/pages/Home/index.jsx
     4      1      12      0       4 (anonymous)@99-102@./TP-ENG2/frontend/src/pages/Home/index.jsx
    16      1      19      0      19 (anonymous)@91-109@./TP-ENG2/frontend/src/pages/Home/index.jsx
     3      1       7      0       3 (anonymous)@114-116@./TP-ENG2/frontend/src/pages/Home/index.jsx
    62      1     212      0     112 HomePage@13-124@./TP-ENG2/frontend/src/pages/Home/index.jsx
     1      1       3      0       1 setLoading@49-49@./TP-ENG2/frontend/src/pages/Login/index.jsx
     2      1       8      1       2 setLoading@49-50@./TP-ENG2/frontend/src/pages/Login/index.jsx
    21      4     131      0      26 handleLogin@26-51@./TP-ENG2/frontend/src/pages/Login/index.jsx
     5      2      20      0       5 (anonymous)@54-58@./TP-ENG2/frontend/src/pages/Login/index.jsx
     4      1       9      0       4 (anonymous)@109-112@./TP-ENG2/frontend/src/pages/Login/index.jsx
     2      1       9      0       2 (anonymous)@117-118@./TP-ENG2/frontend/src/pages/Login/index.jsx
     6      1       6      0       6 (anonymous)@122-127@./TP-ENG2/frontend/src/pages/Login/index.jsx
    10      1      19      0      10 App@35-44@./TP-ENG2/frontend/src/App.jsx
10 file analyzed.
```

Front-end após as refatorações em handleLogin e handleSignUp:

```
==================================================
  NLOC    CCN   token  PARAM  length  location
--------------------------------------------------
     7      2      42      0       8 (anonymous)@8-15@./TP-ENG2/frontend/src/api/index.ts
     3      1      10      0       3 (anonymous)@16-18@./TP-ENG2/frontend/src/api/index.ts
     1      1       3      0       1 setLoading@34-34@./TP-ENG2/frontend/src/pages/SignUp/index.jsx
     2      1       8      1       2 setLoading@34-35@./TP-ENG2/frontend/src/pages/SignUp/index.jsx
    17      2      60      0      20 handleSignUp@18-37@./TP-ENG2/frontend/src/pages/SignUp/index.jsx
     5      1      33      0       7 createUser@39-45@./TP-ENG2/frontend/src/pages/SignUp/index.jsx
     9      3      47      0       9 handleSignUpError@47-55@./TP-ENG2/frontend/src/pages/SignUp/index.jsx
     4      1       9      0       4 (anonymous)@107-110@./TP-ENG2/frontend/src/pages/SignUp/index.jsx
     2      1       9      0       2 (anonymous)@115-116@./TP-ENG2/frontend/src/pages/SignUp/index.jsx
     2      1       9      0       2 (anonymous)@124-125@./TP-ENG2/frontend/src/pages/SignUp/index.jsx
     1      1       5      0       1 handleClose@30-30@./TP-ENG2/frontend/src/pages/Home/components/DietModal/index.jsx
     9      1      22      1      10 ?.at@35-44@./TP-ENG2/frontend/src/pages/Home/components/DietModal/index.jsx
     4      1      12      0       4 (anonymous)@59-62@./TP-ENG2/frontend/src/pages/Home/components/DietModal/index.jsx
     3      1       9      0       3 (anonymous)@77-79@./TP-ENG2/frontend/src/pages/Home/components/DietModal/index.jsx
     3      1       9      0       3 (anonymous)@90-92@./TP-ENG2/frontend/src/pages/Home/components/DietModal/index.jsx
     3      1       9      0       3 (anonymous)@103-105@./TP-ENG2/frontend/src/pages/Home/components/DietModal/index.jsx
     3      1       9      0       3 (anonymous)@118-120@./TP-ENG2/frontend/src/pages/Home/components/DietModal/index.jsx
     3      1       9      0       3 (anonymous)@133-135@./TP-ENG2/frontend/src/pages/Home/components/DietModal/index.jsx
     3      1       9      0       3 (anonymous)@148-150@./TP-ENG2/frontend/src/pages/Home/components/DietModal/index.jsx
     3      1       9      0       3 (anonymous)@162-164@./TP-ENG2/frontend/src/pages/Home/components/DietModal/index.jsx
   128      4     358      1     155 Date.toISOString.split@35-189@./TP-ENG2/frontend/src/pages/Home/components/DietModal/index.jsx
     3      1       6      0       3 (anonymous)@33-35@./TP-ENG2/frontend/src/pages/Home/components/DietCard/index.jsx
    38      1     113      4      40 DietCard@12-51@./TP-ENG2/frontend/src/pages/Home/components/DietCard/index.jsx
     4      1      12      0       4 handleAddDiet@20-23@./TP-ENG2/frontend/src/pages/Home/index.jsx
    10      2      43      0      11 handleCreateDiet@25-35@./TP-ENG2/frontend/src/pages/Home/index.jsx
     8      2      36      0       9 handleLoadUser@37-45@./TP-ENG2/frontend/src/pages/Home/index.jsx
     3      1       6      0       3 (anonymous)@47-49@./TP-ENG2/frontend/src/pages/Home/index.jsx
     4      1      12      0       4 (anonymous)@99-102@./TP-ENG2/frontend/src/pages/Home/index.jsx
    16      1      19      0      19 (anonymous)@91-109@./TP-ENG2/frontend/src/pages/Home/index.jsx
     3      1       7      0       3 (anonymous)@114-116@./TP-ENG2/frontend/src/pages/Home/index.jsx
    62      1     212      0     112 HomePage@13-124@./TP-ENG2/frontend/src/pages/Home/index.jsx
     1      1       3      0       1 setLoading@37-37@./TP-ENG2/frontend/src/pages/Login/index.jsx
     2      1       8      1       2 setLoading@37-38@./TP-ENG2/frontend/src/pages/Login/index.jsx
    12      2      60      0      14 handleLogin@26-39@./TP-ENG2/frontend/src/pages/Login/index.jsx
     7      1      50      0       7 saveToken@41-47@./TP-ENG2/frontend/src/pages/Login/index.jsx
     7      3      34      0       7 handleLoginError@49-55@./TP-ENG2/frontend/src/pages/Login/index.jsx
     5      2      20      0       5 (anonymous)@57-61@./TP-ENG2/frontend/src/pages/Login/index.jsx
     4      1       9      0       4 (anonymous)@112-115@./TP-ENG2/frontend/src/pages/Login/index.jsx
     2      1       9      0       2 (anonymous)@120-121@./TP-ENG2/frontend/src/pages/Login/index.jsx
     6      1       6      0       6 (anonymous)@125-130@./TP-ENG2/frontend/src/pages/Login/index.jsx
    10      1      19      0      10 App@35-44@./TP-ENG2/frontend/src/App.jsx
10 file analyzed.
```

Back-end antes:

```
================================================
  NLOC    CCN    token  PARAM  length  location
------------------------------------------------
     5      2      32      0       5  (anonymous)@5-9@./TP-ENG2/backend/src/auth/decorator/user.decorator.ts
    29      2     150      5      29  manualJwtExtraction@8-36@./TP-ENG2/backend/src/auth/guard/jwt.guard.ts
     5      1      19      4       5  constructor@43-47@./TP-ENG2/backend/src/auth/guard/jwt.guard.ts
     3      1      25      1       3  canActivate@49-51@./TP-ENG2/backend/src/auth/guard/jwt.guard.ts
     3      1       8      1       3  config.getOrThrow@12-14@./TP-ENG2/backend/src/auth/strategy/jwt.strategy.ts
     9      2      52      1       9  validate@16-24@./TP-ENG2/backend/src/auth/strategy/jwt.strategy.ts
     1      1       8      1       1  constructor@7-7@./TP-ENG2/backend/src/auth/auth.controller.ts
     5      1      19      4       5  constructor@15-19@./TP-ENG2/backend/src/auth/auth.service.ts
    10      4      47      2      10  this.signToken@34-43@./TP-ENG2/backend/src/auth/auth.service.ts
     3      1      13      2       3  this.signToken@63-65@./TP-ENG2/backend/src/auth/auth.service.ts
     3      1       8      1       3  this.config.getOrThrow@75-77@./TP-ENG2/backend/src/auth/auth.service.ts
     6      1      38      0       7  (anonymous)@7-13@./TP-ENG2/backend/src/diet/diet.controller.spec.ts
     3      1      11      0       3  (anonymous)@15-17@./TP-ENG2/backend/src/diet/diet.controller.spec.ts
     5      1      26      0      15  (anonymous)@4-18@./TP-ENG2/backend/src/diet/diet.controller.spec.ts
     6      1      38      0       7  (anonymous)@7-13@./TP-ENG2/backend/src/diet/diet.service.spec.ts
     3      1      11      0       3  (anonymous)@15-17@./TP-ENG2/backend/src/diet/diet.service.spec.ts
     5      1      26      0      15  (anonymous)@4-18@./TP-ENG2/backend/src/diet/diet.service.spec.ts
     1      1       8      1       1  constructor@12-12@./TP-ENG2/backend/src/diet/diet.service.ts
     7      1      27      1       7  getDiets@14-20@./TP-ENG2/backend/src/diet/diet.service.ts
    14      3      60      2      14  getDietById@22-35@./TP-ENG2/backend/src/diet/diet.service.ts
     5      1      14      1       5  Date@42-46@./TP-ENG2/backend/src/diet/diet.service.ts
     5      1      14      1       5  Date@69-73@./TP-ENG2/backend/src/diet/diet.service.ts
    17      3      86      2      20  deleteDietById@75-94@./TP-ENG2/backend/src/diet/diet.service.ts
     1      1       8      1       1  constructor@21-21@./TP-ENG2/backend/src/diet/diet.controller.ts
     5      1      12      1       5  config.get@11-15@./TP-ENG2/backend/src/prisma/prisma.service.ts
    20      1     106      0      21  bootstrap@6-26@./TP-ENG2/backend/src/main.ts
23 file analyzed.
```

Back-end após as refatorações em manualJwtExtraction:

```
------------------------------------------------
  NLOC    CCN    token  PARAM  length  location
------------------------------------------------
     5      2      32      0       5  (anonymous)@5-9@./TP-ENG2/backend/src/auth/decorator/user.decorator.ts
    25      3     137      5      26  manualJwtExtraction@6-31@./TP-ENG2/backend/src/auth/guard/jwt.guard.ts
     7      3      42      1       9  extractTokenFromAuthHeader@33-41@./TP-ENG2/backend/src/auth/guard/jwt.guard.ts
     7      1      31      2       7  getUserDataById@44-50@./TP-ENG2/backend/src/auth/guard/jwt.guard.ts
     5      1      19      4       5  constructor@57-61@./TP-ENG2/backend/src/auth/guard/jwt.guard.ts
     3      1      25      1       3  canActivate@63-65@./TP-ENG2/backend/src/auth/guard/jwt.guard.ts
     3      1       8      1       3  config.getOrThrow@12-14@./TP-ENG2/backend/src/auth/strategy/jwt.strategy.ts
     9      2      52      1       9  validate@16-24@./TP-ENG2/backend/src/auth/strategy/jwt.strategy.ts
     1      1       8      1       1  constructor@7-7@./TP-ENG2/backend/src/auth/auth.controller.ts
     5      1      19      4       5  constructor@15-19@./TP-ENG2/backend/src/auth/auth.service.ts
    10      4      47      2      10  this.signToken@34-43@./TP-ENG2/backend/src/auth/auth.service.ts
     3      1      13      2       3  this.signToken@63-65@./TP-ENG2/backend/src/auth/auth.service.ts
     3      1       8      1       3  this.config.getOrThrow@75-77@./TP-ENG2/backend/src/auth/auth.service.ts
     6      1      38      0       7  (anonymous)@7-13@./TP-ENG2/backend/src/diet/diet.controller.spec.ts
     3      1      11      0       3  (anonymous)@15-17@./TP-ENG2/backend/src/diet/diet.controller.spec.ts
     5      1      26      0      15  (anonymous)@4-18@./TP-ENG2/backend/src/diet/diet.controller.spec.ts
     6      1      38      0       7  (anonymous)@7-13@./TP-ENG2/backend/src/diet/diet.service.spec.ts
     3      1      11      0       3  (anonymous)@15-17@./TP-ENG2/backend/src/diet/diet.service.spec.ts
     5      1      26      0      15  (anonymous)@4-18@./TP-ENG2/backend/src/diet/diet.service.spec.ts
     1      1       8      1       1  constructor@12-12@./TP-ENG2/backend/src/diet/diet.service.ts
     7      1      27      1       7  getDiets@14-20@./TP-ENG2/backend/src/diet/diet.service.ts
    14      3      60      2      14  getDietById@22-35@./TP-ENG2/backend/src/diet/diet.service.ts
     5      1      14      1       5  Date@42-46@./TP-ENG2/backend/src/diet/diet.service.ts
     5      1      14      1       5  Date@69-73@./TP-ENG2/backend/src/diet/diet.service.ts
    17      3      86      2      20  deleteDietById@75-94@./TP-ENG2/backend/src/diet/diet.service.ts
     1      1       8      1       1  constructor@21-21@./TP-ENG2/backend/src/diet/diet.controller.ts
     5      1      12      1       5  config.get@11-15@./TP-ENG2/backend/src/prisma/prisma.service.ts
    20      1     106      0      21  bootstrap@6-26@./TP-ENG2/backend/src/main.ts
23 file analyzed.
```