

User List:

← → ↺ localhost:3000

🔖 ☆ K ⋮

👤 User Management

Users ListCreate User

Users List

First Name	Last Name	Email	Created At
Karishma	Gandhi	karishma@gmail.com	08/07/2025

Create User:

← → ↺ localhost:3000/create

🔖 ☆ K ⋮

👤 User Management

Users ListCreate User

Create User

First Name

Enter first name

Last Name

Enter last name

Email

Enter email address

🔥 Create User

Validation:

localhost:3000/create

User ManagementUsers ListCreate User

Create User

First Name

test1

⚠ Must contain only letters

Last Name

123

⚠ Must contain only letters

Email

df

⚠ Must be a valid email address

Create User

Pagination:

localhost:5000/api-docs/

Swagger
Supported by SMARTBEAR

User Management1.0.0OAS 3.0

User Management API

Servers

http://localhost:5000

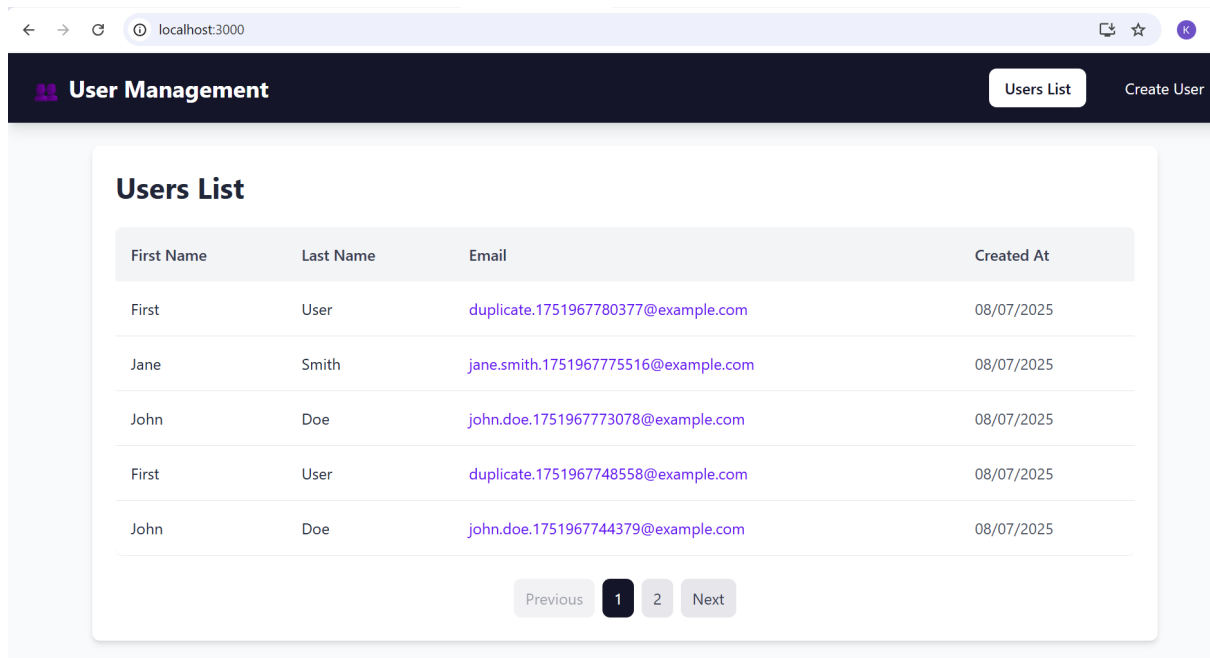
Users

GET /api/usersGet all users

POST /api/usersCreate a new user

Schemas

User >



Swagger:

Backend coverage:

```
PASS src/__tests__/controller/user.controller.test.ts (11.081 s)
PASS src/__tests__/routes/user.route.test.ts (11.243 s)

-----
File                | % Stmts | % Branch | % Funcs | % Lines | Uncovered Line #s
-----
All files            | 96.96   | 100      | 100     | 96.77   |
controller           | 96      | 100      | 100     | 95.65   |
  user.controller.ts | 96      | 100      | 100     | 95.65   | 37
routes               | 100     | 100      | 100     | 100     |
  user.route.ts      | 100     | 100      | 100     | 100     |
-----

Test Suites: 2 passed, 2 total
Tests:       11 passed, 11 total
Snapshots:   0 total
Time:        15.038 s
Ran all test suites.
```

Frontend coverage:

File	% Stmts	% Branch	% Funcs	% Lines	Uncovered Line #s
All files	100	100	100	100	
components	100	100	100	100	
CreateUser.tsx	100	100	100	100	
NavBar.tsx	100	100	100	100	
Pagination.tsx	100	100	100	100	
UserList.tsx	100	100	100	100	
store	100	100	100	100	
userSlice.ts	100	100	100	100	

Test Suites: 5 passed, 5 total
Tests: 63 passed, 63 total
Snapshots: 0 total
Time: 34.177 s
Ran all test suites.

Playwright test:

```
C:\Users\kgandhi\user-portal\e2e>npx playwright test

Running 34 tests using 9 workers
 34 passed (46.7s)

To open last HTML report run:

  npx playwright show-report
```

File C:/Users/kgandhi/user-portal/e2e/playwright-report/index.html	
8/7/2025, 3:46:20 pm Total time: 46.7s	
<div>api-integration.spec.ts</div> <div> <div>✓ API Integration Tests > should handle API errors gracefully chromium</div> <div>api-integration.spec.ts:4</div> <div>3.3s</div> </div> <div> <div>✓ API Integration Tests > should handle network timeout chromium</div> <div>api-integration.spec.ts:30</div> <div>3.7s</div> </div> <div> <div>✓ API Integration Tests > should handle malformed API response chromium</div> <div>api-integration.spec.ts:53</div> <div>5.4s</div> </div> <div> <div>✓ API Integration Tests > should send correct data in POST request chromium</div> <div>api-integration.spec.ts:70</div> <div>3.6s</div> </div> <div> <div>✓ API Integration Tests > should handle API errors gracefully webkit</div> <div>api-integration.spec.ts:4</div> <div>3.0s</div> </div> <div> <div>✓ API Integration Tests > should handle network timeout webkit</div> <div>api-integration.spec.ts:30</div> <div>2.1s</div> </div> <div> <div>✓ API Integration Tests > should handle malformed API response webkit</div> <div>api-integration.spec.ts:53</div> <div>3.9s</div> </div> <div> <div>✓ API Integration Tests > should send correct data in POST request webkit</div> <div>api-integration.spec.ts:70</div> <div>3.1s</div> </div>	
<div>navbar.spec.ts</div> <div> <div>✓ Navbar > should display the homepage with navbar and users list chromium</div> <div>navbar.spec.ts:9</div> <div>3.3s</div> </div> <div> <div>✓ Navbar > should navigate between pages using navbar chromium</div> <div>navbar.spec.ts:20</div> <div>3.0s</div> </div> <div> <div>✓ Navbar > should display the homepage with navbar and users list webkit</div> <div>navbar.spec.ts:9</div> <div>2.3s</div> </div> <div> <div>✓ Navbar > should navigate between pages using navbar webkit</div> <div>navbar.spec.ts:20</div> <div>2.7s</div> </div>	
<div>pagination.spec.ts</div> <div> <div>✓ Pagination Functionality > should display pagination when more than 5 users exist chromium</div> <div>pagination.spec.ts:3</div> <div>21.8s</div> </div> <div> <div>✓ Pagination Functionality > should navigate between pages using pagination chromium</div> <div>pagination.spec.ts:35</div> <div>2.7s</div> </div> <div> <div>✓ Pagination Functionality > should show correct number of users per page chromium</div> <div>pagination.spec.ts:51</div> <div>2.9s</div> </div> <div> <div>✓ Pagination Functionality > should display pagination when more than 5 users exist webkit</div> <div>pagination.spec.ts:3</div> <div>25.0s</div> </div> <div> <div>✓ Pagination Functionality > should navigate between pages using pagination webkit</div> <div>pagination.spec.ts:35</div> <div>1.6s</div> </div> <div> <div>✓ Pagination Functionality > should show correct number of users per page webkit</div> <div>pagination.spec.ts:51</div> <div>1.2s</div> </div>	

Docker image creation for backend:

Docker builds build -t user-portal .

```

package.json
README.md
tsconfig.json
> e2e
  frontend
    public
    src
    .dockerignore
    .gitignore
  Dockerfile
  package-lock.json
  package.json
  postcss.config.js
  README.md
  tailwind.config.js
  tsconfig.json
  docker-compose.yml
run-backend.bat
run-e2etests.bat
run-frontend.bat
run-tests.bat
  > OUTLINE
  > TIMELINE
main
0 0 0

```

```

=> exporting to image
=> exporting layers
=> exporting manifest sha256:fbf799cfcad9b4e04d11c451e652667d0cd4d87e30634f59c07af0b93178e01c
=> exporting config sha256:3d81bc2d581d45f361731f1eb715a71ea6f83c7aa66393c7853db0b684f2ebcb
=> exporting attestation manifest sha256:9b2360d014a9d2a01cb4848c4611c23b86e2b2010fa222f6e64231341b59edfa
=> exporting manifest list sha256:40f7928b6c4aa52c4769e4764cd4ea04606d19baf998485719696f5ddd611453
=> naming to moby-dangling@sha256:40f7928b6c4aa52c4769e4764cd4ea04606d19baf998485719696f5ddd611453
=> unpacking to moby-dangling@sha256:40f7928b6c4aa52c4769e4764cd4ea04606d19baf998485719696f5ddd611453
(base) fenil@Fenil-MacBook-Air backend % docker buildx build -t user-portal .
[*] Building 2.3s (10/10) FINISHED
er:desktop-linux
=> [internal] load build definition from Dockerfile
=> transferring dockerfile: 270B
=> [internal] load metadata for docker.io/library/node:22
=> [internal] load .dockerignore
=> transferring context: 73B
=> [1/5] FROM docker.io/library/node:22@sha256:2fa6c977460b56d4d8278947ab56faeb312bc4cc6c4cf78920c6de27812f51c5
=> resolve docker.io/library/node:22@sha256:2fa6c977460b56d4d8278947ab56faeb312bc4cc6c4cf78920c6de27812f51c5
=> [internal] load build context

```

Run docker for backend:

```

run-e2etests.bat
run-frontend.bat
run-tests.bat
User Management.docx
  > OUTLINE
  > TIMELINE
main
0 0 0

```

```

Run 'docker run --help' for more information
(base) fenil@Fenil-MacBook-Air backend % docker run user-portal
> backend@0.0.0 start
> tsx src/server.ts

[dotenv@17.0.1] injecting env (2) from .env - [tip] encrypt with dotenvx: https://dotenvx.com
Server running on port 5000
Connected to MongoDB Atlas

```

Docker image creation for frontend:

Docker builds build -t user-portal-fe .

```
2025/07/09 04:29:59 [notice] I#1: exit
(base) Fenils-MacBook-Air:frontend fenil$ docker buildx build -t user-portal-fe .
[*] Building 4.1s (14/14) FINISHED
docker:desktop-linux
=> [internal] load build definition from Dockerfile
0.0s
=> => transferring dockerfile: 260B
0.0s
=> [internal] load metadata for docker.io/library/nginx:alpine
4.0s
=> [internal] load metadata for docker.io/library/node:22
2.1s
=> [internal] load .dockerignore
0.0s
=> => transferring context: 73B
0.0s
=> [build 1/6] FROM docker.io/library/node:22@sha256:2fa6c977460b56d4d8278947ab56faeb312bc4cc6c4cf78920c6de278121c5
0.0s
=> => resolve docker.io/library/node:22@sha256:2fa6c977460b56d4d8278947ab56faeb312bc4cc6c4cf78920c6de278121c5
0.0s
=> [stage-1 1/2] FROM docker.io/library/nginx:alpine@sha256:b2e814d28359e77bd0aa5fed1939620075e4ffa0eb20423cc55775bd5c14ad
0.0s
=> => resolve docker.io/library/nginx:alpine@sha256:b2e814d28359e77bd0aa5fed1939620075e4ffa0eb20423cc55775bd5c14ad
0.0s
=> [internal] load build context
0.0s
=> => transferring context: 2.18kB
```

Run docker for frontend:

```
View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/dd20yx6nryho0brofd9xriun
(base) Fenils-MacBook-Air:frontend fenil$ docker run -p 3000:80 user-portal-fe
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
/docker-entrypoint.sh: Sourcing /docker-entrypoint.d/15-local-resolvers.envsh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
2025/07/09 04:44:25 [notice] 1#1: using the "epoll" event method
2025/07/09 04:44:25 [notice] 1#1: built by gcc 14.2.0 (Alpine 14.2.0)
2025/07/09 04:44:25 [notice] 1#1: OS: Linux 6.10.14-linuxkit
2025/07/09 04:44:25 [notice] 1#1: getrlimit(RLIMIT_NOFILE): 1048576:1048576
2025/07/09 04:44:25 [notice] 1#1: start worker processes
2025/07/09 04:44:25 [notice] 1#1: start worker process 29
2025/07/09 04:44:25 [notice] 1#1: start worker process 30
2025/07/09 04:44:25 [notice] 1#1: start worker process 31
2025/07/09 04:44:25 [notice] 1#1: start worker process 32
2025/07/09 04:44:25 [notice] 1#1: start worker process 33
2025/07/09 04:44:25 [notice] 1#1: start worker process 34
2025/07/09 04:44:25 [notice] 1#1: start worker process 35
2025/07/09 04:44:25 [notice] 1#1: start worker process 36
159.41.168.71 - - [09/Jul/2025:04:44:31 +0000] "GET / HTTP/1.1" 200 644 "-" "Mozilla/5.0 (Macintosh; Intel Mac OS 10_15_7) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/18.5 Safari/605.1.15" "-"
```