



LOMAP_ES3B

Eloy Alfredo Schmidt - UO271588

Lara Fernández - UO276026

Luis Manuel Solares – UO282631

Miguel Mier – UO277301

ÍNDICE

- Introducción: ¿Qué es LoMap?
- Arquitectura: componentes principales de la aplicación y su funcionamiento.
- Estrategia: tecnologías usadas y funcionamiento del equipo.
- Demostración de la aplicación.



¿Qué es LoMap?

- Un sistema en el que los ciudadanos disponen de mapas personalizados sobre sus lugares favoritos.
- Los usuarios crearán mapas personalizados con sus lugares de interés.

The screenshot displays the LoMap web application interface. At the top, there is a navigation bar with a logo on the left and a "Log Out" button on the right. The main content area is divided into three sections: a left sidebar, a central map, and a bottom information bar.

Left Sidebar:

- Filtros:** Contains three dropdown menus labeled "Categorías", "Amigos", and "Mapas". Below these is a "Distancia(Km):" slider with a blue bar and two handles, and an "Aplicar filtros" button.
- Amigos:** A section for displaying user avatars and names, currently empty.

Central Map:

- A map of Oviedo, Spain, showing streets, parks, and landmarks. A red location pin is placed in the center of the map, labeled "Oviedo".
- Map controls include a zoom in (+) and zoom out (-) button in the top left corner.
- Map data is attributed to "Leaflet | © OpenStreetMap contributors" in the bottom right corner.

Bottom Information Bar:

- Three tabs: "Información", "Imágenes", and "Comentarios".
- Under the "Información" tab, there is a section titled "Información" with a five-star rating system (four stars are filled, one is empty) and the text "casa" below it.

¿Qué es LoMap?

Ver mapas y lugares de tus amigos.



Crear mapas en los que guardar distintos lugares.



Filtrado por categorías, amigos y mapa.



Los lugares están en tu propio POD, ganando seguridad.

4 OBJETIVOS DE CALIDAD



USABILIDAD – intuitivo



COMPENSIBILIDAD – sencilla para todos

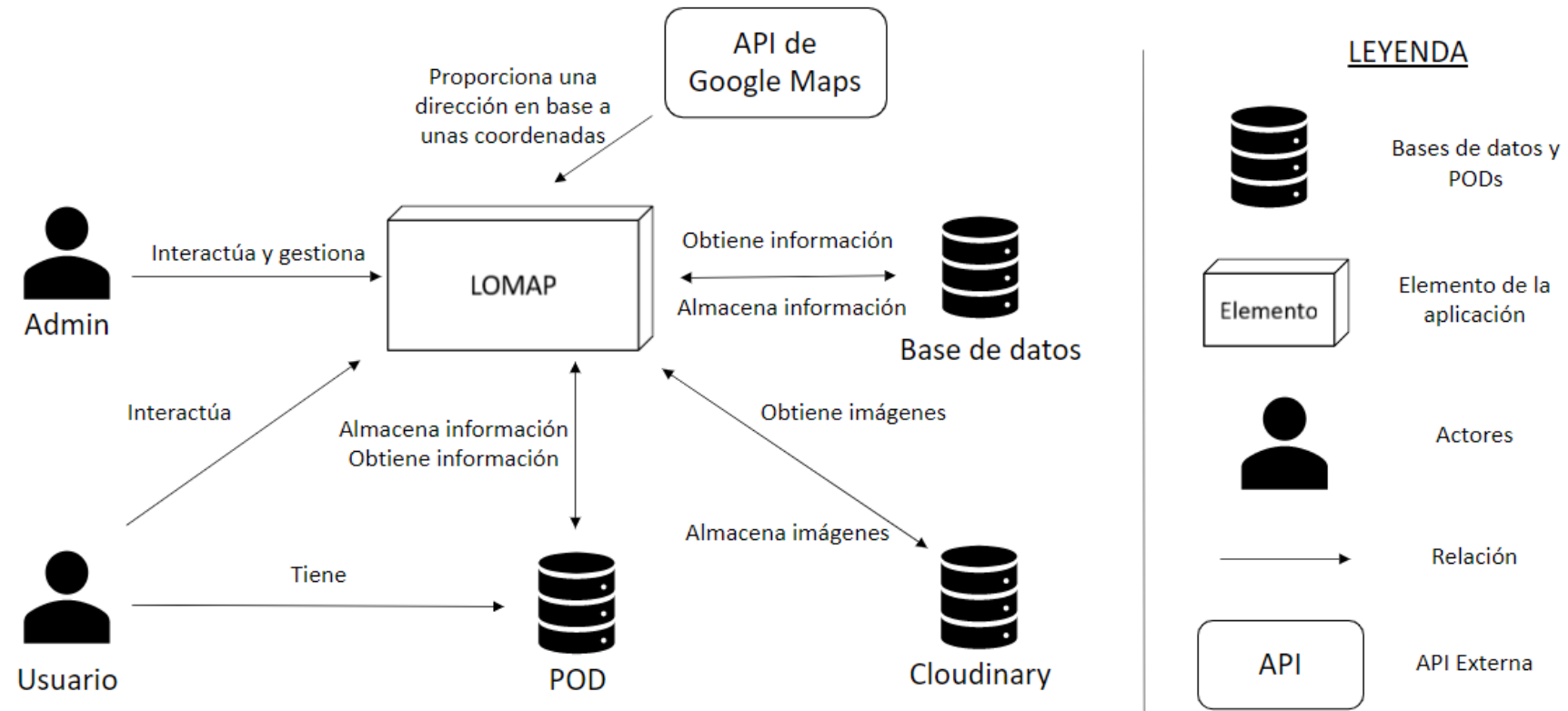


SEGURIDAD – POD personal, descentralizado

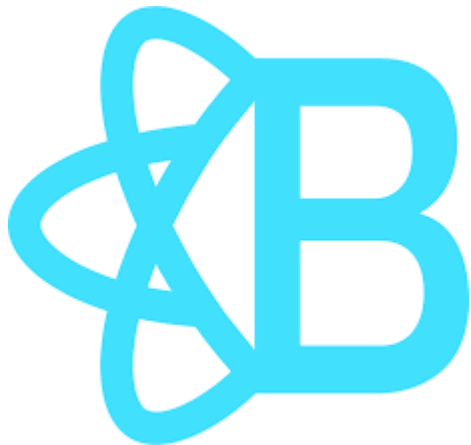


TESTABILIDAD – probada para comprobar su funcionalidad

ARQUITECTURA



ARQUITECTURA: WEBAPP



Código: React y Bootstrap.

Componentes separados para tener código limpio y desacoplado.

Se gestionan los PODs y los amigos del usuario directamente.

Uso de mapa con Leaflet.



ARQUITECTURA: RESTAPI



Código: ExpressJS y
NodeJS.

Endpoints para la
creación, búsqueda y
eliminación de lugares de
la base de datos.



TECNOLOGÍAS USADAS



Almacenamiento

MongoDB
Cloudinary
Inrupt (POD)



Mapa

Leaflet
API de Google Maps



Despliegue

Docker
Azure



Test

Gatling
Jest
Supertest
Puppeteer

METODOLOGÍA DE TRABAJO: TESTING



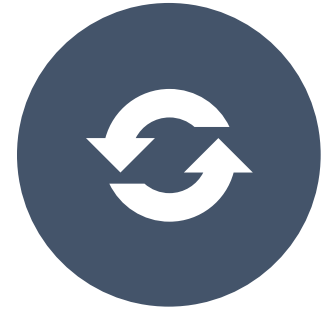
TESTS UNITARIOS



TESTS E2E



TESTS DE CARGA



INTEGRACION
CONTINUA

TEST UNITARIOS

| File | % Stmts | % Branch | % Funcs | % Lines | Uncovered Line |
|--------------------------------|---------|----------|---------|---------|----------------|
| All files | 71.31 | 72.22 | 70 | 72.26 | |
| database | 63.88 | 61.53 | 60 | 63.76 | |
| config.ts | 63.88 | 61.53 | 60 | 63.76 | 19-20,39-47,75 |
| models | 53.84 | 100 | 0 | 62.5 | |
| place.ts | 53.84 | 100 | 0 | 62.5 | 61-63 |
| routes | 88.63 | 100 | 88.88 | 88.09 | |
| api.ts | 88.63 | 100 | 88.88 | 88.09 | 36-41,91 |
| Test Suites: 2 passed, 2 total | | | | | |
| Tests: 7 passed, 7 total | | | | | |
| Snapshots: 0 total | | | | | |
| Time: 7.375 s, estimated 8 s | | | | | |
| Ran all test suites. | | | | | |

| File | % Stmts | % Branch | % Funcs | % Lines | Uncovered |
|-------------------------------------|---------|----------|---------|---------|-----------|
| All files | 6.23 | 2.28 | 11.11 | 6.4 | |
| src | 0 | 0 | 0 | 0 | |
| App.tsx | 0 | 100 | 0 | 0 | 8 |
| index.tsx | 0 | 100 | 100 | 0 | 8-17 |
| reportWebVitals.ts | 0 | 0 | 0 | 0 | 3-10 |
| src/api | 0 | 0 | 0 | 0 | |
| api.ts | 0 | 0 | 0 | 0 | 4-61 |
| src/cloudinary | 0 | 0 | 0 | 0 | |
| PhotoUpload.ts | 0 | 0 | 0 | 0 | 5-20 |
| src/pages/maps | 0 | 0 | 0 | 0 | |
| MapsPage.tsx | 0 | 0 | 0 | 0 | 20-36 |
| src/pages/maps/components | 13.33 | 5.06 | 20 | 13.67 | |
| Amigo.tsx | 0 | 0 | 0 | 0 | 22-11 |
| Amigos.tsx | 0 | 100 | 0 | 0 | 10-18 |
| ButtonAdd.tsx | 0 | 100 | 0 | 0 | 10-12 |
| Comment.tsx | 100 | 100 | 100 | 100 | |
| Dropdown.tsx | 71.42 | 25 | 75 | 71.42 | 30,48 |
| Filters.tsx | 64.28 | 100 | 37.5 | 64.28 | 28,32 |
| IconoApp.tsx | 100 | 100 | 100 | 100 | |
| Image.tsx | 100 | 100 | 100 | 100 | |
| Info.tsx | 0 | 0 | 0 | 0 | 19-14 |
| InicioSesion.tsx | 57.14 | 50 | 25 | 57.14 | 19-23 |
| Mapa.tsx | 0 | 0 | 0 | 0 | 22-14 |
| MinimumDistanceSlider.tsx | 33.33 | 0 | 66.66 | 33.33 | 24-56 |
| ModalFormAñadirLugar.tsx | 0 | 0 | 0 | 0 | 23-21 |
| NavigationMenu.tsx | 0 | 100 | 0 | 0 | 6 |
| Tab.tsx | 50 | 100 | 50 | 50 | 15 |
| src/pages/maps/components/loginForm | 0 | 100 | 0 | 0 | |
| Modal.tsx | 0 | 100 | 0 | 0 | 12 |
| src/pods | 0 | 0 | 0 | 0 | |
| Friends.ts | 0 | 0 | 0 | 0 | 20-11 |
| Markers.ts | 0 | 0 | 0 | 0 | 7-93 |
| Profile.ts | 0 | 100 | 0 | 0 | 7-12 |
| src/shared | 0 | 0 | 0 | 0 | |
| sharedtypes.ts | 0 | 0 | 0 | 0 | |
| Test Suites: 8 passed, 8 total | | | | | |
| Tests: 8 passed, 8 total | | | | | |
| Snapshots: 0 total | | | | | |
| Time: 6.02 s | | | | | |

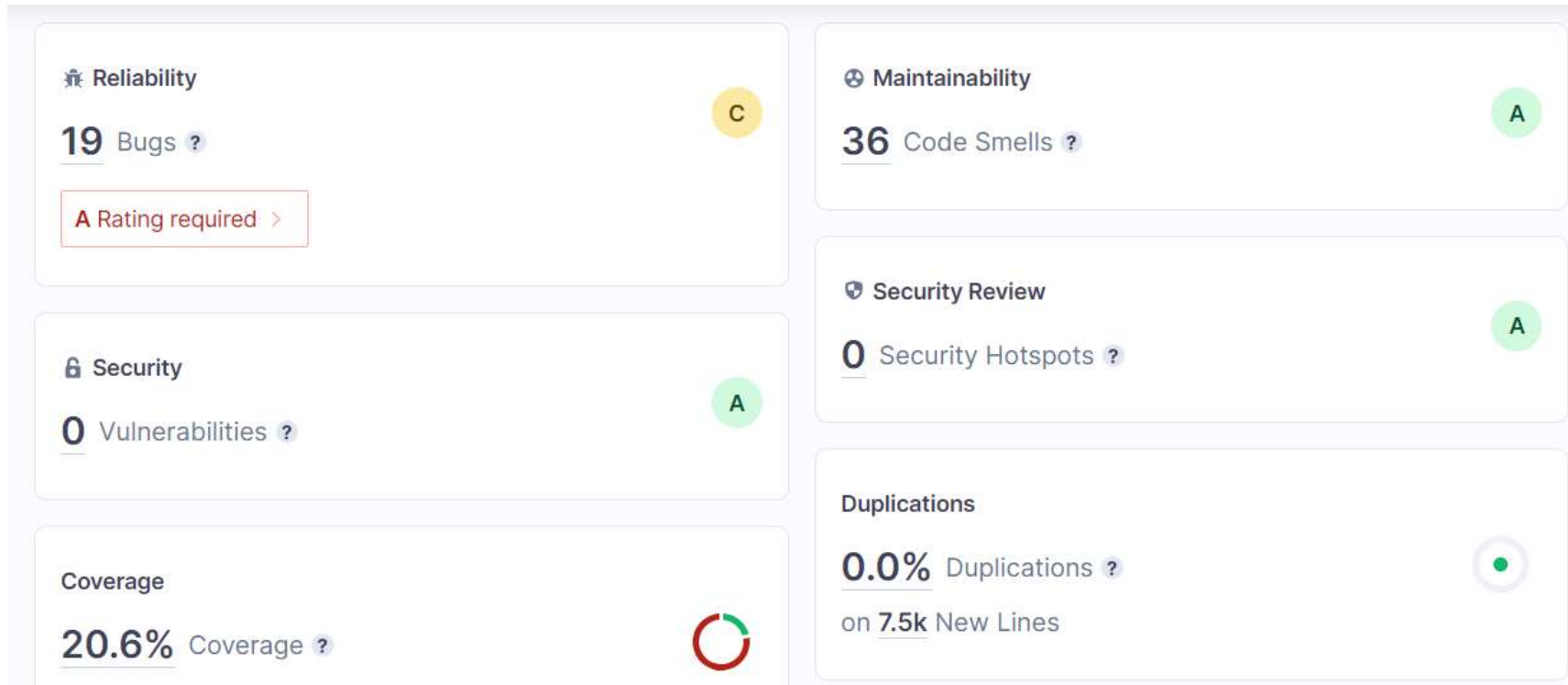
PRUEBAS DE CARGA - GATLING

| Requests ▲ | 🔄 Executions | | | | |
|--------------|--------------|------|------|--------|---------|
| | Total ⬆ | OK ⬆ | KO ⬆ | % KO ⬆ | Cnt/s ⬆ |
| All Requests | 10200 | 6744 | 3456 | 34% | 24.939 |
| request_0 | 1700 | 1700 | 0 | 0% | 4.156 |
| request_2 | 1700 | 1428 | 272 | 16% | 4.156 |
| request_5 | 1700 | 1598 | 102 | 6% | 4.156 |
| request_6 | 1700 | 1243 | 457 | 27% | 4.156 |
| request_7 | 1700 | 79 | 1621 | 95% | 4.156 |
| request_8 | 1700 | 696 | 1004 | 59% | 4.156 |

PRUEBAS DE CARGA - GATLING

| Requests ▲ | 🔄 Executions | | | | |
|--------------|--------------|------|-------|--------|---------|
| | Total ↕ | OK ↕ | KO ↕ | % KO ↕ | Cnt/s ↕ |
| All Requests | 21592 | 9860 | 11732 | 54% | 42.42 |
| request_0 | 3500 | 2908 | 592 | 17% | 6.876 |
| request_1 | 592 | 181 | 411 | 69% | 1.163 |
| request_2 | 3500 | 2755 | 745 | 21% | 6.876 |
| request_5 | 3500 | 2435 | 1065 | 30% | 6.876 |
| request_6 | 3500 | 958 | 2542 | 73% | 6.876 |
| request_7 | 3500 | 9 | 3491 | 100% | 6.876 |
| request_8 | 3500 | 614 | 2886 | 82% | 6.876 |

TESTING - SONARCLOUD



- Bugs reportados en un Issue de Arquisoft
- Coverage no supera el 80%

DEUDA TÉCNICA



ACL y guardado de lugares en POD.



Cuentas antiguas de Inrupt.



22 Open ✓ 30 Closed

LMES03B-24 | Despliegue

#100 opened yesterday by uo276026 ➔ Proyecto

LMES03B-23 | Integración con Github

#99 opened yesterday by uo276026

LMES03B-22 | Presentación

#98 opened yesterday by uo276026

LMES03B-21 | Visualización de com

#97 opened yesterday by uo276026

LMES03B-20 | Visualización de map

#96 opened yesterday by uo276026

LMES03B-19 | Pruebas e2e

#95 opened yesterday by uo276026

LMES03B-18 | Pruebas de componente

#94 opened yesterday by uo276026

LMES03B-17 | Pruebas de carga

#91 opened 2 days ago by uo277301

METODOLOGÍA DE TRABAJO

CREACION DE RAMAS
DIVISION DE TAREAS
ACTAS SEMANALES
RESOLUCIÓN DE PROBLEMAS
REUNIONES FUERA DE LOS
LABORATORIOS

master ▾

8 branches

switch branches/tags

find or create a branch...

Branches

Tags

master

default

Eloy_UO271588

Lara_UO276026

LuisManuel_UO282631

Miguel_UO277301

develop

gh-pages

release

[View all branches](#)

REQUISITOS PARA LA DEMO

Cuenta en:

Inrupt.

Solid Community.



Si tienes una carpeta map en Public, recogerá los lugares.



Si no la tienes, la creará para almacenar lugares.

VIDEO DEMOSTRACIÓN

