Desarrollo de FullStack

AI07064821

Diego Villarreal Martinez

Profesor: Francisco Gomez Rubio

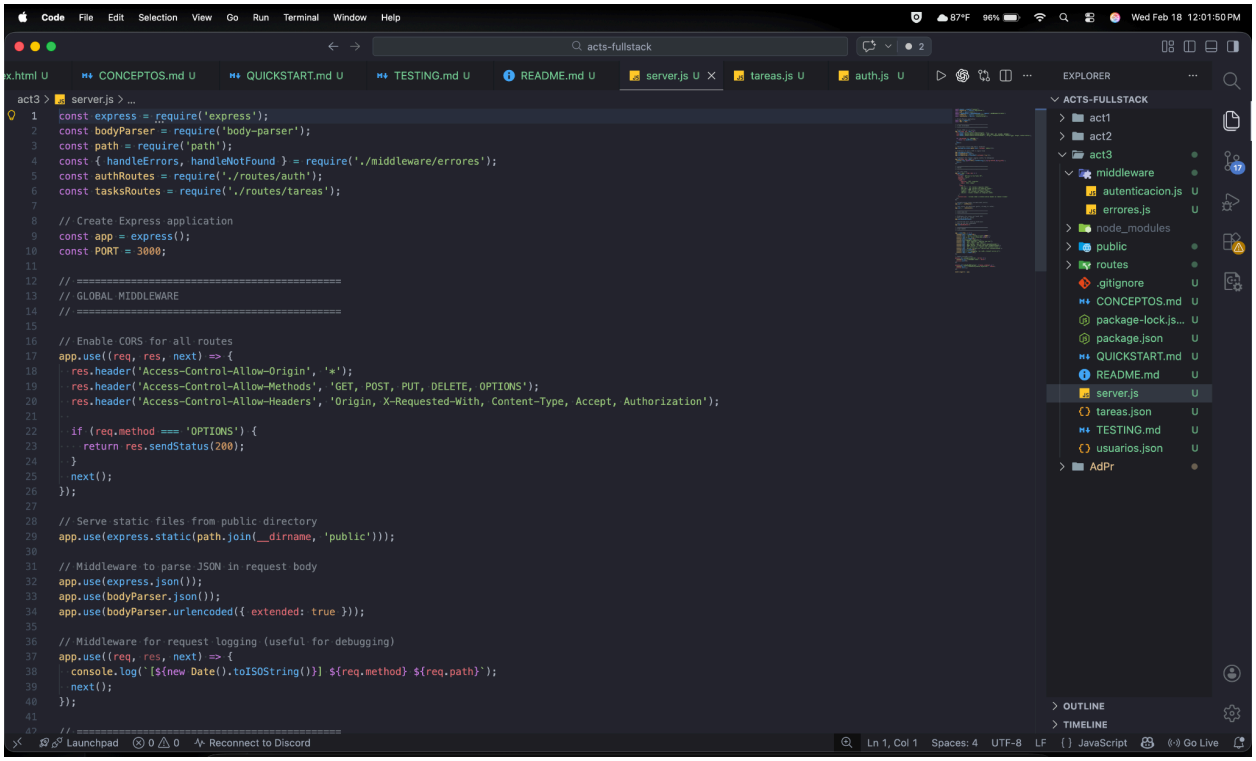
Link del github:

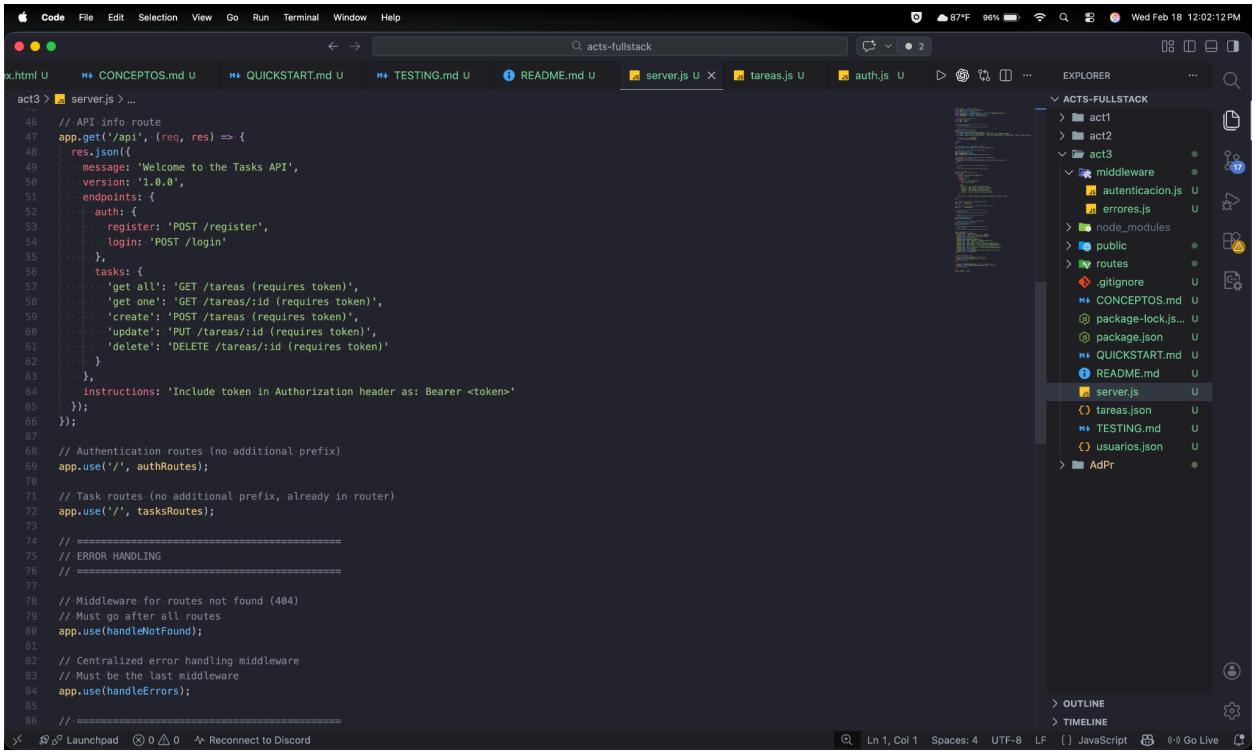
https://github.com/WebbiestStew/acts-fullstack.git

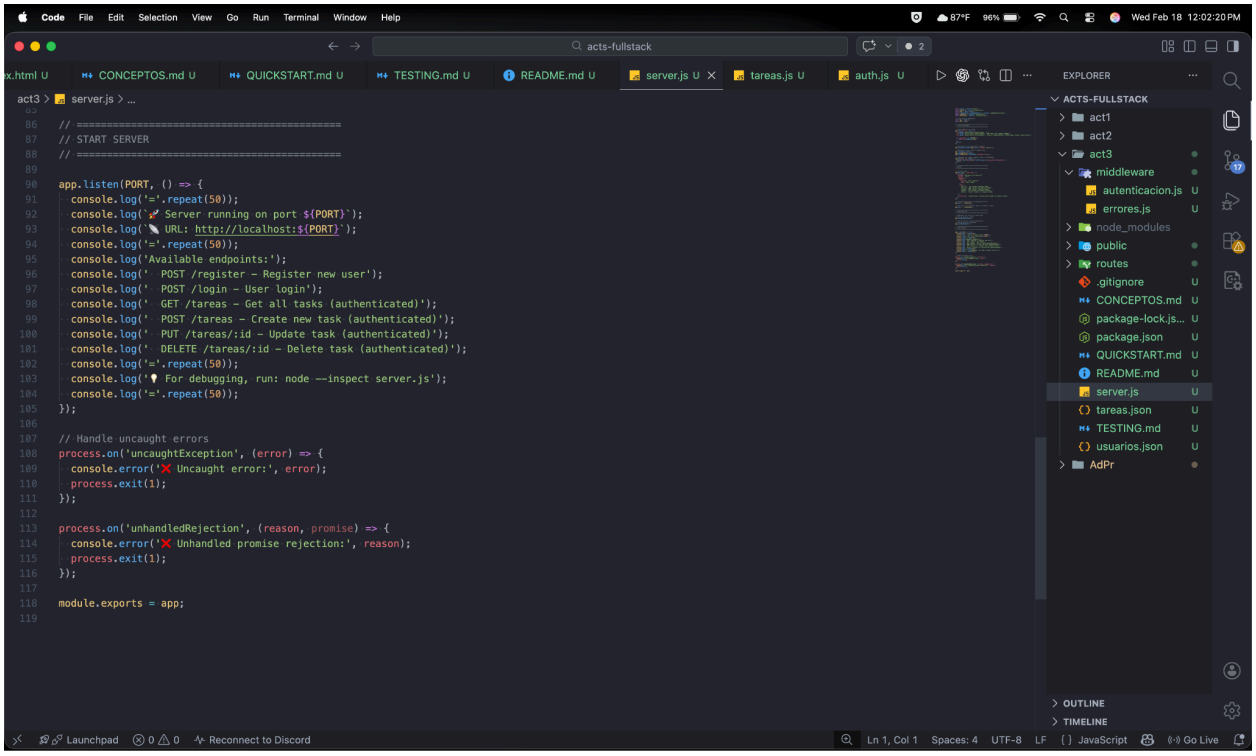
Se inicio el npm y se descargaron las dependencias necesarias

```
cd "/Users/diegovillarreal/Desktop/school/fourth semester/fullstack/acts-fullstack/act3" && npm install

added 83 packages, and audited 84 packages in

15 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
```

Despues se hizo un archivo llamado Server.js

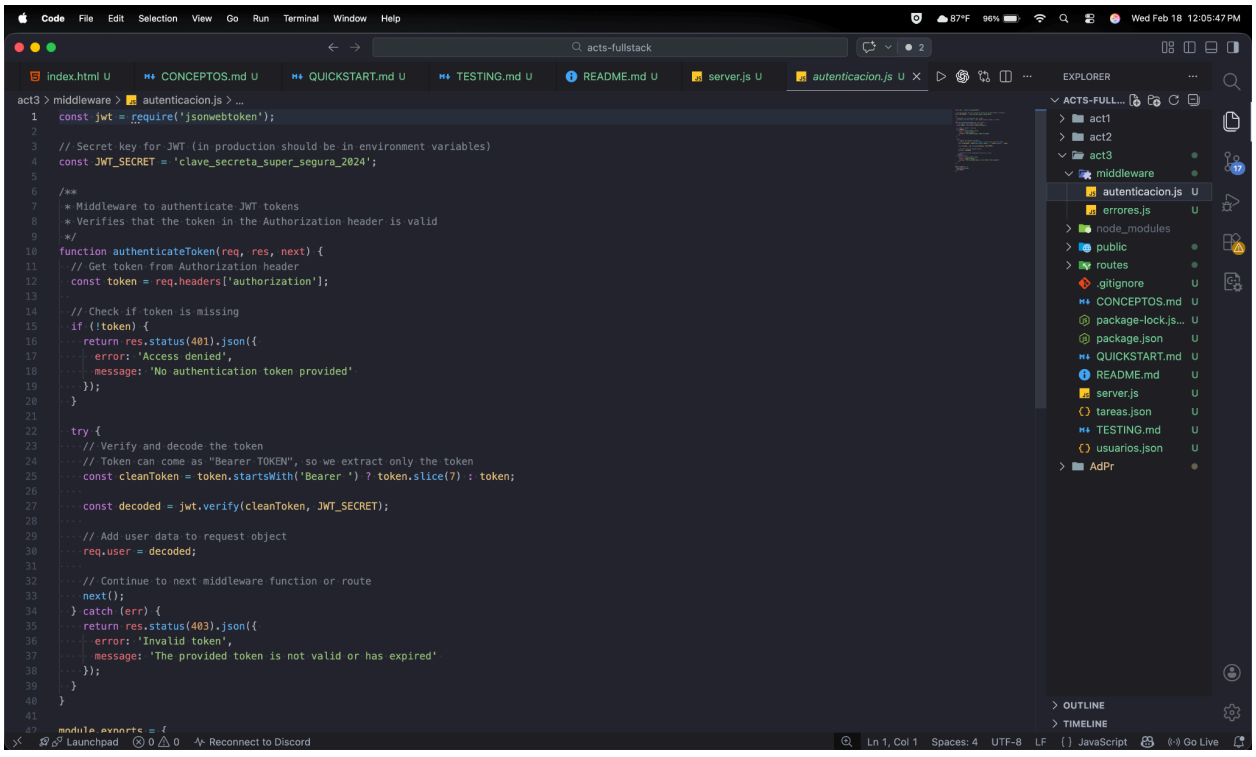


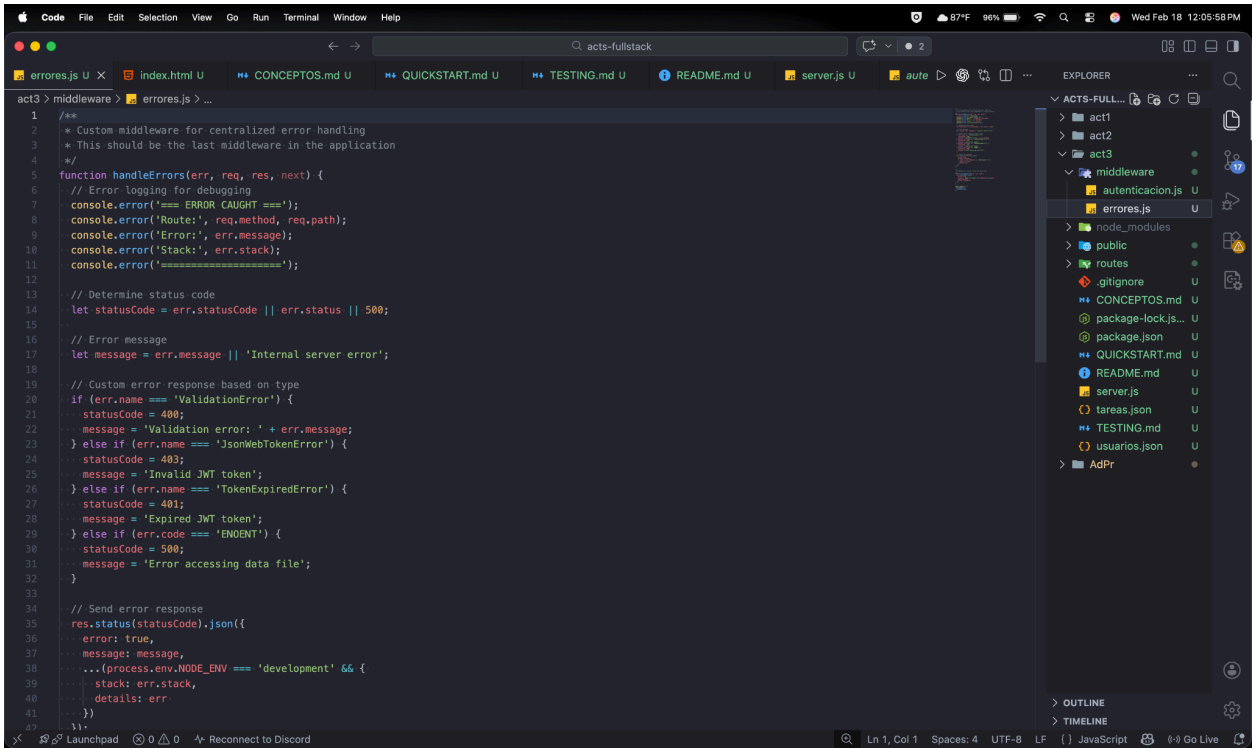

Code File Edit Selection View Go Run Terminal Window Help
Wed Feb 18 12:02:12 PM
acts-fullstack
CONCEPTOS.md U
QUICKSTART.md U
TESTING.md U
README.md U
server.js U
tareas.js U
auth.js U
EXPLORER
ACTS-FULLSTACK
act3 > server.js > ...
// API info route
app.get('/api', (req, res) => {
res.json({
message: 'Welcome to the Tasks API',
version: '1.0.0',
endpoints: {
auth: {
register: 'POST /register',
login: 'POST /login'
},
tasks: {
'get all': 'GET /tareas (requires token)',
'get one': 'GET /tareas/:id (requires token)',
'create': 'POST /tareas (requires token)',
'update': 'PUT /tareas/:id (requires token)',
'delete': 'DELETE /tareas/:id (requires token)'
}
},
instructions: 'Include token in Authorization header as: Bearer <token>'
});
});
// Authentication routes (no additional prefix)
app.use('/', authRoutes);
// Task routes (no additional prefix, already in router)
app.use('/', tasksRoutes);
// ==
// ERROR HANDLING
// ==
// Middleware for routes not found (404)
// Must go after all routes
app.use(handleNotFound);
// Centralized error handling middleware
// Must be the last middleware
app.use(handleErrors);
// ==
act1
act2
act3
middleware
autenticacion.js U
errores.js U
node_modules
public
routes
.gitignore U
CONCEPTOS.md U
package-lock.js... U
package.json U
QUICKSTART.md U
README.md U
server.js U
tareas.json U
TESTING.md U
usuarios.json U
AdPr
OUTLINE
TIMELINE
Launchpad
Reconnect to Discord
Ln 1, Col 1
Spaces: 4
UTF-8
LF
JavaScript
Go Live

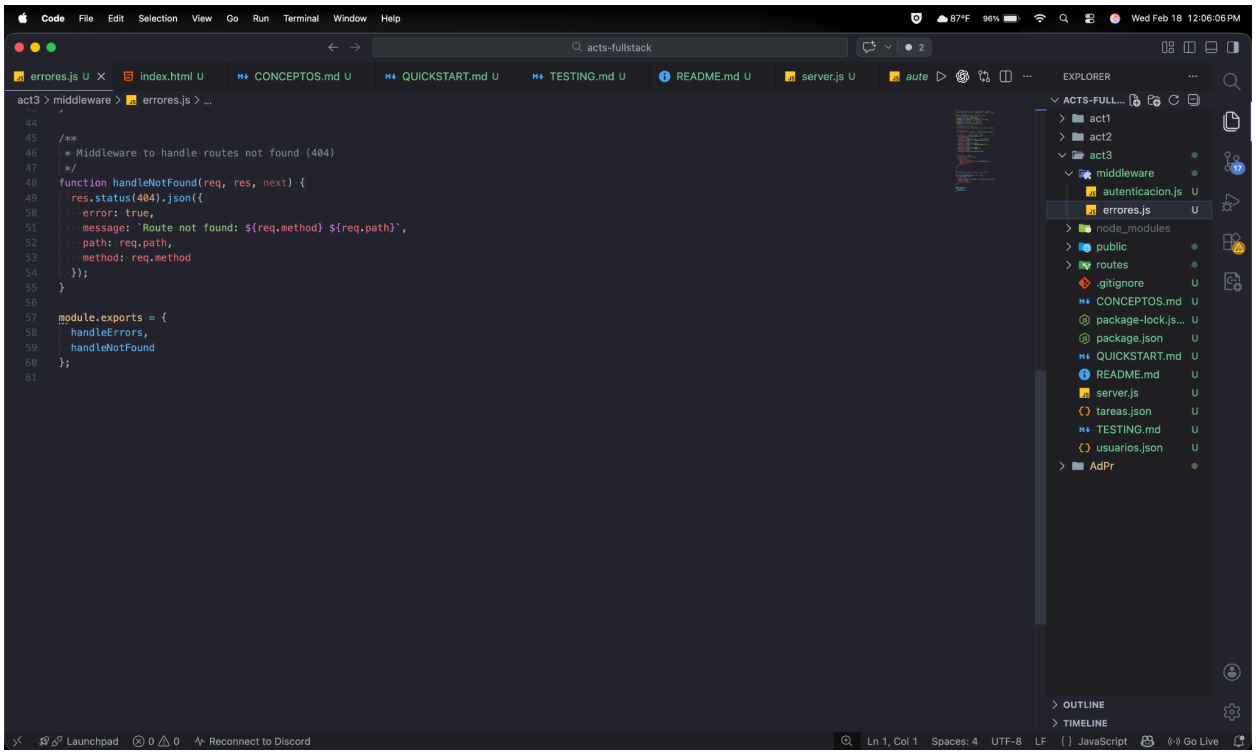

Code File Edit Selection View Go Run Terminal Window Help
Wed Feb 18 12:02:20 PM
acts-fullstack
act3 > server.js > ...
// ==
// START SERVER
// ==
app.listen(PORT, () => {
console.log('='.repeat(50));
console.log(`🚀 Server running on port ${PORT}`);
console.log(`📡 URL: http://localhost:${PORT}`);
console.log('='.repeat(50));
console.log('Available endpoints:');
console.log(' POST /register - Register new user');
console.log(' POST /login - User login');
console.log(' GET /tareas - Get all tasks (authenticated)');
console.log(' POST /tareas - Create new task (authenticated)');
console.log(' PUT /tareas/:id - Update task (authenticated)');
console.log(' DELETE /tareas/:id - Delete task (authenticated)');
console.log('='.repeat(50));
console.log('💡 For debugging, run: node --inspect server.js');
console.log('='.repeat(50));
});
// Handle uncaught errors
process.on('uncaughtException', (error) => {
console.error('❌ Uncaught error:', error);
process.exit(1);
});
process.on('unhandledRejection', (reason, promise) => {
console.error('❌ Unhandled promise rejection:', reason);
process.exit(1);
});
module.exports = app;
act1
act2
act3
middleware
autenticacion.js U
errores.js U
node_modules
public
routes
.gitignore U
CONCEPTOS.md U
package-lock.js... U
package.json U
QUICKSTART.md U
README.md U
server.js U
tareas.json U
TESTING.md U
usuarios.json U
AdPr
OUTLINE
TIMELINE
Launchpad
Reconnect to Discord
Ln 1, Col 1
Spaces: 4
UTF-8
LF
JavaScript
Go Live

Se hicieron los JSON correspondientes

Se hizo el middleware tambien

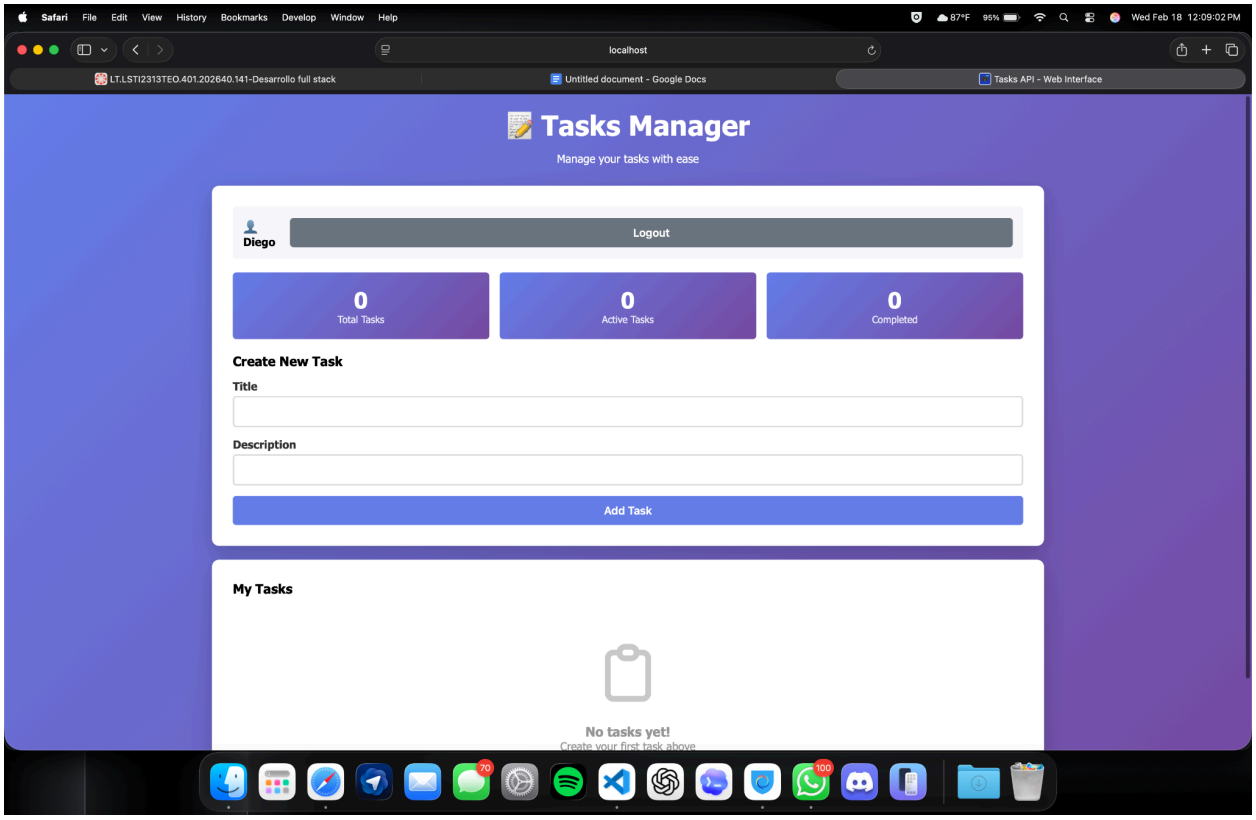


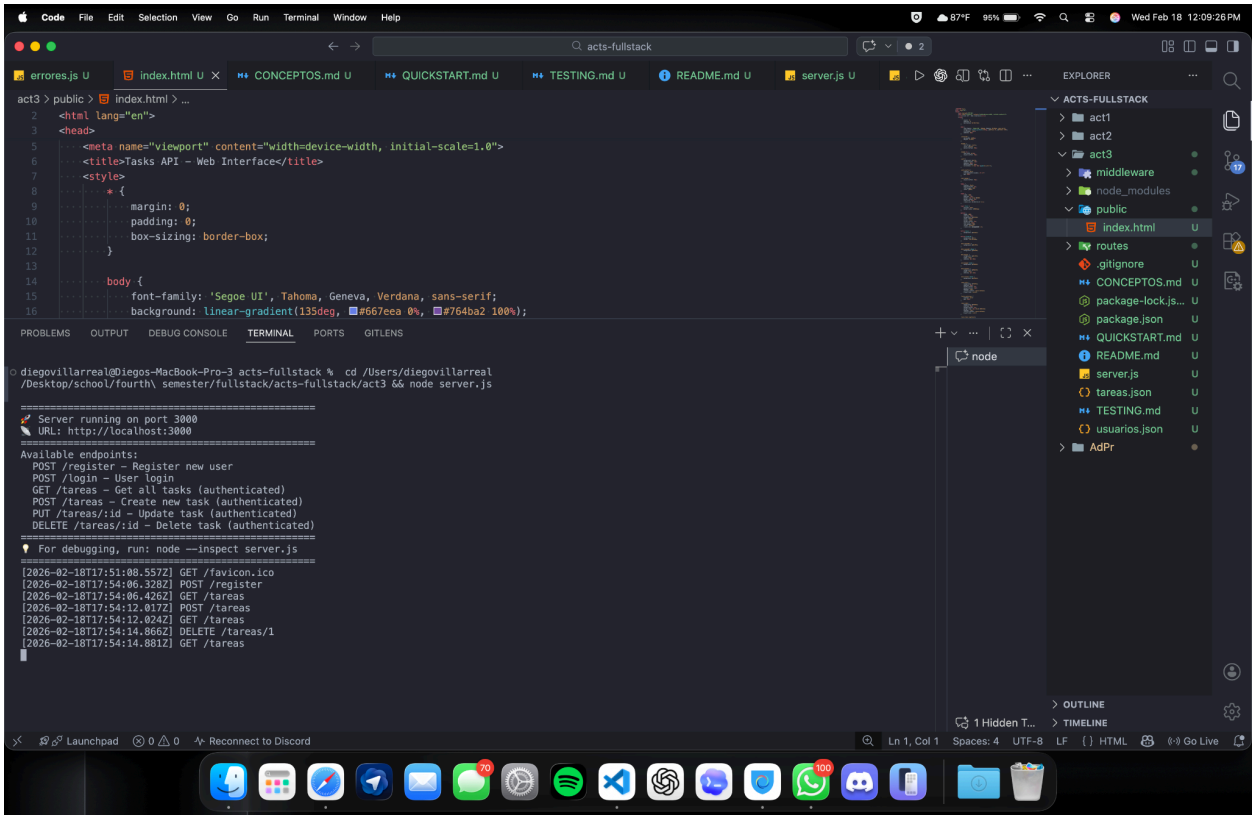

Code File Edit Selection View Go Run Terminal Window Help
Wed Feb 18 12:05:58 PM
acts-fullstack
errores.js U
index.html U
CONCEPTOS.md U
QUICKSTART.md U
TESTING.md U
README.md U
server.js U
EXPLORER
act3 > middleware > errores.js > ...
/**
* Custom middleware for centralized error handling
* This should be the last middleware in the application
*/
function handleErrors(err, req, res, next) {
// Error logging for debugging
console.error('=== ERROR CAUGHT ===');
console.error('Route:', req.method, req.path);
console.error('Error:', err.message);
console.error('Stack:', err.stack);
console.error('====================');
// Determine status code
let statusCode = err.statusCode || err.status || 500;
// Error message
let message = err.message || 'Internal server error';
// Custom error response based on type
if (err.name === 'ValidationError') {
statusCode = 400;
message = 'Validation error: ' + err.message;
} else if (err.name === 'JsonWebTokenError') {
statusCode = 403;
message = 'Invalid JWT token';
} else if (err.name === 'TokenExpiredError') {
statusCode = 401;
message = 'Expired JWT token';
} else if (err.code === 'ENOENT') {
statusCode = 500;
message = 'Error accessing data file';
}
// Send error response
res.status(statusCode).json({
error: true,
message: message,
...(process.env.NODE_ENV === 'development' && {
stack: err.stack,
details: err
})
});
ACTS-FULL...
act1
act2
act3
middleware
autenticacion.js U
errores.js U
node_modules
public
routes
.gitignore U
CONCEPTOS.md U
package-lock.js... U
package.json U
QUICKSTART.md U
README.md U
server.js U
tareas.json U
TESTING.md U
usuarios.json U
AdPr
OUTLINE
TIMELINE
Launchpad
Reconnect to Discord
Ln 1, Col 1
Spaces: 4
UTF-8
LF
JavaScript
Go Live


Code File Edit Selection View Go Run Terminal Window Help
Wed Feb 18 12:06:06 PM
acts-fullstack
errores.js U
index.html U
CONCEPTOS.md U
QUICKSTART.md U
TESTING.md U
README.md U
server.js U
EXPLORER
act3 > middleware > errores.js > ...
/**
* Middleware to handle routes not found (404)
*/
function handleNotFound(req, res, next) {
res.status(404).json({
error: true,
message: `Route not found: ${req.method} ${req.path}`,
path: req.path,
method: req.method
});
}
module.exports = {
handleErrors,
handleNotFound
};
ACTS-FULL...
act1
act2
act3
middleware
autenticacion.js U
errores.js U
node_modules
public
routes
.gitignore U
CONCEPTOS.md U
package-lock.js... U
package.json U
QUICKSTART.md U
README.md U
server.js U
tareas.json U
TESTING.md U
usuarios.json U
AdPr
OUTLINE
TIMELINE
Launchpad
Reconnect to Discord
Ln 1, Col 1
Spaces: 4
UTF-8
LF
JavaScript
Go Live

Se hizo un HTML con todo (debido a sus altos contenidos, estara en el repo de github)

Ejecucion:


Safari File Edit View History Bookmarks Develop Window Help
Wed Feb 18 12:09:02 PM
localhost
LT.LSTI2313TEO.401.202640.141-Desarrollo full stack
Untitled document - Google Docs
Tasks API - Web Interface
Tasks Manager
Manage your tasks with ease
Diego
Logout
0
Total Tasks
0
Active Tasks
0
Completed
Create New Task
Title
Description
Add Task
My Tasks
No tasks yet!
Create your first task above


Code File Edit Selection View Go Run Terminal Window Help
Wed Feb 18 12:09:26 PM
acts-fullstack
errores.js U
index.html U
CONCEPTOS.md U
QUICKSTART.md U
TESTING.md U
README.md U
server.js U
EXPLORER
ACTS-FULLSTACK
act1
act2
act3
middleware
node_modules
public
index.html
routes
.gitignore
CONCEPTOS.md
package-lock.js...
package.json
QUICKSTART.md
README.md
server.js
tareas.json
TESTING.md
usuarios.json
AdPr
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS
node
diegovillarreal@Diegos-MacBook-Pro-3 acts-fullstack % cd /Users/diegovillarreal/Desktop/school/fourth\ semester/fullstack/acts-fullstack/act3 && node server.js
Server running on port 3000
URL: http://localhost:3000
Available endpoints:
POST /register - Register new user
POST /login - User login
GET /tareas - Get all tasks (authenticated)
POST /tareas - Create new task (authenticated)
PUT /tareas/:id - Update task (authenticated)
DELETE /tareas/:id - Delete task (authenticated)
For debugging, run: node --inspect server.js
[2026-02-18T17:51:08.557Z] GET /favicon.ico
[2026-02-18T17:54:06.328Z] POST /register
[2026-02-18T17:54:06.426Z] GET /tareas
[2026-02-18T17:54:12.017Z] POST /tareas
[2026-02-18T17:54:12.024Z] GET /tareas
[2026-02-18T17:54:14.866Z] DELETE /tareas/1
[2026-02-18T17:54:14.881Z] GET /tareas
OUTLINE
TIMELINE
Launchpad
Reconnect to Discord
Ln 1, Col 1
Spaces: 4
UTF-8
LF
HTML
Go Live