

DEVELOPER GUIDE

Github: <https://github.com/minhnguyen54/ParkKean>

1. What Is ParkKean?

ParkKean is a website that helps Kean University commuters see which parking lots are open, limited, or full. There is also a section for admins to update parking information.

This guide explains how to **open the project**, **run it**, and **understand how the folders are organized**.

2. What's Inside the Project

When you open the ParkKean project folder, you will see these important parts:

```
ParkKean/
    └── data/
        └── parkkean.db

    └── public/
        ├── index.html
        ├── styles.css
        └── app.js

    ├── README.md
    ├── liveData.js
    ├── package-lock.json
    ├── package.json
    └── server.js
```

3. How to Run ParkKean on Your Computer

Before you start, install:

- **Node.js** (free, from nodejs.org)
- **SQLite3** (free database tool)

If you don't know how, just Google:

- “How to install Node.js on Mac/Windows”
- “How to install SQLite3 on Mac/Windows”

Steps to Launch the Project

Step 1 — Open Terminal or Command Prompt

- Mac: search **Terminal**
- Windows: search **Command Prompt**

Step 2 — Go inside the project folder

```
cd ParkKean
```

Step 3 — Install the project files

Type:

```
npm install
```

Step 4 — Create the database

Type:

```
sqlite3 data.db < server/db/schema.sql  
sqlite3 data.db < server/db/seed.sql
```

Step 5 — Start the website

Type:

```
npm start
```

Step 6 — Open in your browser

Go to:

- <http://localhost:3000>

You're done!

If Something Breaks

Here are common quick fixes:

Problem	Solution
“npm” not found	Reinstall Node.js
Website won’t load	Close terminal → reopen → repeat steps
Blank page	Refresh browser
Login not working	Use accounts from seed.sql

4. How to Report a Bug

If something looks wrong or doesn’t work:

1. Go to the GitHub page
2. Click **Issues**
3. Click **New Issue**
4. Describe:
 - What happened
 - What you expected
 - Screenshot if possible

That’s it.

5. Adding New Features

1. Create feature branch

```
git checkout -b feature/new-component
```

2. Write code + add comments
3. Add/update tests
4. Update documentation (if needed)
5. Submit pull request → tag reviewer
6. Merge into dev when approved