

## Next.js Dev Quick Reference

### Basic Workflow

- Start server: `npm run dev`
- Stop server: `Ctrl+C` in terminal
- Restart server: `npm run dev`
- Refresh browser: `Cmd+R` (normal) or `Cmd+Shift+R` (hard refresh)

### Debug Flow

1. Check terminal for errors
2. Copy error message
3. `Cmd+L` to open AI chat
4. Paste error and ask for help

### Dev Tools

- Browser console: `Cmd+Option+J`
- Inspect element: `Cmd+Option+C`

### IDE Refresh

- Reload Cursor:
  - Developer menu → Reload Window
  - or `Cmd+Shift+P` → type "Reload Window"

## Mac Git, Cursor & Next.js Install & Shortcuts:

### 1. Account Setup

- **GitHub:** Create account at [github.com](https://github.com)
- **Cursor:** Download and install from [cursor.sh](https://cursor.sh)
- **Anthropic:** Create account at [anthropic.com/console](https://anthropic.com/console)

### 2. Git Setup (Terminal Commands)

Create and navigate directories:

- `mkdir project-name` # Create new project folder
- `cd project-name` # Enter folder
- `cd ..` # Move up one directory

Clone repository:

- `git clone https://github.com/username/repository.git`

### 3. Cursor Essential Shortcuts

- `Ctrl + ~` Open/close terminal
- `Cmd + B` Toggle sidebar/file explorer
- `Cmd + L` Open AI chat panel
- `Cmd + K` Show command palette
- `Cmd + K` then highlight code Get AI help for highlighted code
- `Option + Z` Toggle word wrap
- `Cmd + S` Save file
- `Cmd + W` Close tab
- `Cmd + Shift + P` Command palette (alternate)

### 4. Next.js with TypeScript Setup

In Cursor terminal:

- `npx create-next-app@latest . --typescript`
- If starting in existing directory: Use the `'.'` to install in current directory
- Answer prompts (generally select yes for TypeScript)
- Start development server: `npm run dev`

### 5. Development Workflow

- Start development server: `npm run dev`
- After making changes:
  1. Save files (`Cmd + S`)
  2. Check browser - it should auto-refresh
  3. If not auto-refreshing, manually refresh browser (`Cmd + R`)
- If you need to restart the server:
  1. Stop server with `Ctrl + C` in terminal
  2. Start again with: `npm run dev`

### 6. Refreshing & Reloading

Environment actions:

- **Cursor IDE:**
  - Click on Developer menu (top menu bar)
  - Select "Reload Window"
  - Alternatively: `Cmd + Shift + P` then type "Reload Window" and select
- **Browser:**
  - `Cmd + R` for normal refresh
  - `Cmd + Shift + R` for hard refresh (clear cache)
- **Terminal:**
  - `Ctrl + C` to stop current process
  - `↑` then `Enter` to rerun last command

### 7. Debugging Workflow

1. Check terminal for error messages

2. Copy error message
3. Press `Cmd + L` to open AI chat
4. Paste error and ask for help
5. Review and implement the solution

## 8. Browser & Developer Tools

- `Cmd + Option + I` Open developer tools
- `Cmd + Option + J` Open browser console
- `F12` Alternative to open developer tools
- `Cmd + Option + C` Inspect element

## 9. Basic Git Workflow

- `git status` # Check changes
- `git add .` # Stage all changes
- `git commit -m "Message"` # Commit with message
- `git push` # Push to remote repository
- `git pull` # Pull latest changes

## 10. Anthropic API Setup

### 1. Get API Key:

- Create an account at [anthropic.com/console](https://anthropic.com/console)
- Navigate to the API Keys section
- Click "Create API Key"
- Name your key and copy it securely

### 2. Setup in Project:

Create a `.env` file in your project root:

```
ANTHROPIC_API_KEY=your_api_key_here
```

- Make sure to add `.env` to your `.gitignore` file to keep your API key private! Install required packages: `npm install @anthropic-ai/sdk dotenv`

## Common Problems & Solutions

- **Node modules issues:** Try `rm -rf node_modules && npm install`
- **Changes not showing in browser:** Try hard refresh (`Cmd + Shift + R`)
- **IDE seems frozen or unresponsive:** Use Developer menu > Reload Window
- **API key not working:** Double-check that `.env` is in the correct location and properly formatted