

FolderDoctor

FolderDoctor is a Node.js application that synchronizes the contents of one folder (source) to another folder (destination), including handling file changes, additions, deletions, and optionally respecting `.gitignore` rules.

Features

- **Real-time Synchronization:** Automatically copies files and directories from the source to the destination folder.
- **Handles Changes:** Detects and applies changes such as additions, modifications, and deletions.
- **Optional `.gitignore` Support:** Optionally reads a `.gitignore` file to exclude specified files and directories from synchronization.
- **Directory Creation:** Creates the destination directory if it does not exist.

Installation

1. Clone the repository:

```
git clone https://github.com/yourusername/folderdoctor.git
cd folderdoctor
```

2. Install dependencies:

```
npm install
```

Usage

To use FolderDoctor, you need to provide the source and destination paths, and optionally the path to a `.gitignore` file.

Command Line

You can use the app via command line by creating a simple script. For example, create a `start.js` file:

```
const folderDoctor = require('./path/to/folderDoctor');

const srcPath = '/path/to/source/folder';
const destPath = '/path/to/destination/folder';
const gitIgnorePath = '/path/to/.gitignore'; // Optional

folderDoctor(srcPath, destPath, gitIgnorePath);
```

Then, run the script:

```
node start.js
```

Parameters

- **srcPath**: The path to the source folder.
- **destPath**: The path to the destination folder.
- **gitIgnorePath** (optional): The path to the **.gitignore** file. If not provided, all files and directories will be synchronized.

Example

```
const folderDoctor = require('./folderDoctor');

const srcPath = '/Users/username/Documents/source';
const destPath = '/Users/username/Documents/destination';
const gitIgnorePath = '/Users/username/Documents/source/.gitignore'; //
Optional

folderDoctor(srcPath, destPath, gitIgnorePath);
```

Logging

FolderDoctor logs its actions to the console using ANSI escape codes to highlight different types of messages:

- **Green**: File or folder copied.
- **Yellow**: Changes detected.
- **Bright Green**: Folder copied.
- **Bright Cyan**: Watching for changes.
- **Red**: Errors.

Error Handling

FolderDoctor handles errors by logging them to the console with detailed messages. If the **.gitignore** file cannot be read, a warning is logged, and synchronization proceeds without ignoring any files.

Contributions

Contributions are welcome! Please fork the repository and submit a pull request with your changes.

License

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Contact

For any questions or issues, please open an issue on GitHub or contact the repository owner.

Enjoy using FolderDoctor! Keep your folders in sync effortlessly.