Complete Setup Guide: Admin Panel for GitHub-Hosted Website

Overview

This guide will help you set up an admin panel that allows you to update product prices and availability directly from your website, with changes automatically saving to your GitHub repository. **No database required!**

What You'll Get

- ⚙ Settings icon in the footer (bottom left corner)
- ⬜ Password-protected admin panel (Password: `RVK@123`)
- ⬜ Edit product prices directly
- ✅ Toggle product availability (ON/OFF)
- ⬜ Changes are visible to everyone worldwide
- ⬜ All updates save directly to your GitHub repository

Part 1: Setup Instructions

Step 1: Replace Your HTML File

1. **Download the new file** named `product_updated.html`
2. **Rename it** to match your current filename (likely `product.html`)
3. **Replace** your old file with this new one

Step 2: Create a GitHub Personal Access Token

This token allows the website to update files in your GitHub repository.

Follow these steps carefully:

1. Go to GitHub and log in to your account
2. Click your **profile picture** in the top-right corner
3. Click **Settings**
4. Scroll down the left sidebar and click **Developer settings**
5. Click **Personal access tokens** → **Tokens (classic)**
6. Click **Generate new token** → **Generate new token (classic)**
7. Give your token a name (e.g., "Product Admin Panel")

8. Set expiration (choose "No expiration" for convenience, or set a custom date)

9. **IMPORTANT:** Check the `repo` checkbox (this gives full control of repositories)

10. Scroll down and click **Generate token**

11. **COPY THE TOKEN IMMEDIATELY** - it looks like: `ghp_xxxxxxxxxxxxxxxxxxxx`

12. Save it somewhere safe (you won't be able to see it again!)

Step 3: Upload to GitHub

1. Go to your GitHub repository

2. Upload the new `product.html` file (or whatever your filename is)

3. Make sure it's in the correct location in your repository

Step 4: Enable GitHub Pages (if not already enabled)

1. Go to your repository **Settings**

2. Click **Pages** in the left sidebar

3. Under "Source", select your branch (usually `main` or `master`)

4. Click **Save**

5. Your site will be published at: `https://your-username.github.io/repository-name/`

Part 2: How to Use the Admin Panel

First Time Setup

1. **Open your website** in a browser

2. **Scroll to the bottom** of the page

3. You'll see a ⚙ **settings icon** next to the copyright text

4. **Click the settings icon**

5. A popup will appear asking for a password

6. **Enter password:** `RVK@123`

7. Click **Unlock**

Configure GitHub Integration

After unlocking, you'll see a yellow configuration box. Fill in these fields:

Field	What to Enter	Example
GitHub Username/Owner	Your GitHub username	`john-doe`
Repository Name	Your repository name	`my-shop`
File Path	Path to your HTML file	`product.html`

Field	What to Enter	Example
GitHub Token	The token you created	ghp_xxxxxxxxxxxx

Click outside the yellow box to continue scrolling down.

Edit Products

Below the configuration, you'll see all your products listed:

For each product you can:

- Change the **Price** by typing a new number
- Toggle **Availability** using the ON/OFF switch
  - Green = Available
  - Gray = Not Available

Save Your Changes

1. After editing, scroll down
2. Click the **Save Changes** button
3. Wait for the success message: "✅ Changes saved successfully to GitHub!"
4. The page will automatically reload in 3 seconds
5. **Everyone worldwide** will now see the updated prices and availability

Cancel Changes

Click the **Cancel** button to close without saving.

Part 3: Important Information

About the Password

- Default password: RVK@123
- To change it, you need to edit the code (I'll show you how below)

About GitHub Token Security

- Your token is **stored locally** in your browser (localStorage)
- It's NOT visible to website visitors
- **Keep your token secret** - don't share it
- If token is compromised, delete it from GitHub and create a new one

Branch Name

The code uses `main` as the default branch. If your repository uses `master` instead:

1. Open the HTML file
2. Find this line: `branch: 'main'`
3. Change to: `branch: 'master'`

Product Availability Feature

When you mark a product as "Not Available":

- The product might still show on your website (depending on your design)
- You can add code to hide unavailable products if needed

Part 4: Advanced Customization

Change the Admin Password

1. Open your HTML file in a text editor
2. Search for: `const ADMIN_PASSWORD = 'RVK@123';`
3. Change `RVK@123` to your desired password
4. Save and upload to GitHub

Move the Settings Icon

The settings icon is in the copyright line. To move it:

1. Search for: `<span class="settings-icon"`
2. Cut and paste it to your desired location
3. You can also change the icon emoji from ⚙ to something else

Part 5: Troubleshooting

Error: "Failed to fetch file"

Possible causes:

- GitHub username or repository name is wrong
- File path is incorrect
- Token doesn't have permissions

Solution: Double-check all fields in the configuration

Error: "Failed to update file"

Possible causes:

- Token doesn't have `repo` permissions
- Branch name is wrong (`main` vs `master`)

Solution:

1. Check token permissions on GitHub
2. Try changing branch name in the code

Changes not visible to others

Solution:

- Wait 1-2 minutes for GitHub Pages to rebuild
- Hard refresh the page (Ctrl+F5 or Cmd+Shift+R)
- Check that changes were committed on GitHub

Token expired

Solution:

- Go to GitHub → Settings → Developer settings → Personal access tokens
- Delete the old token
- Create a new token following Step 2
- Enter the new token in the admin panel

Part 6: How It Works (Technical)

For your understanding:

1. **Settings icon** triggers the admin modal
2. **Password verification** happens in the browser
3. **Price/availability changes** are stored temporarily
4. **Save button** triggers these actions:
   - Fetches current file from GitHub API
   - Gets the file's SHA (unique identifier)
   - Updates the PRODUCTS array in the code
   - Converts to Base64 encoding
   - Pushes the update back to GitHub
   - GitHub Pages automatically rebuilds your site

- Everyone sees the new changes

Part 7: Quick Reference

Important Links

- **GitHub Token Settings:** `https://github.com/settings/tokens`
- **Your Repository:** `https://github.com/YOUR-USERNAME/YOUR-REPO`
- **GitHub Pages Settings:** `https://github.com/YOUR-USERNAME/YOUR-REPO/settings/pages`

Configuration Values You'll Need

```
GitHub Owner: [your-username]
Repository Name: [your-repo-name]
File Path: product.html
Token: ghp_[your-token]
Branch: main (or master)
```

Support

If you encounter issues:

1. Check the browser console (F12) for error messages
2. Verify your GitHub configuration
3. Ensure your token has `repo` permissions
4. Check that your branch name is correct

Conclusion

You now have a fully functional admin panel that:

- ✅ Requires no database
- ✅ Requires no backend server
- ✅ Updates automatically via GitHub
- ✅ Shows changes to everyone worldwide
- ✅ Is secure with password protection
- ✅ Works entirely from your browser

Remember: Keep your GitHub token safe and never share it publicly!