



# FlightFinder Deployment & Git Manual

**Version:** 1.0 (Feb 2026)

**Environment:** Local PC + PythonAnywhere

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## 1. Environment Detection (The "Magic" Link)

To keep the code identical on your PC and the server, use this logic in your Python files. It automatically detects if it's running on PythonAnywhere.

```
Python
import os

# Detection logic
IS_PYTHONANYWHERE = 'pythonanywhere' in os.environ.get('HOME', "")

@travel_bp.route('/search-airports')
def search_airports():
    query = request.args.get('term', "").lower()

    if not IS_PYTHONANYWHERE:
        # LOCAL: Use Travelpayouts API
        # url = "https://autocomplete.travelpayouts.com/..."
    else:
        # SERVER: Use Local JSON file
        # file_path = "airports.json"
```

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## 2. GitHub Authentication (PAT Token)

GitHub no longer accepts your account password for Git commands. You must use a **Personal Access Token (PAT)**.

- **To Generate:** GitHub > Settings > Developer Settings > Personal access tokens > Tokens (classic).
- **Permissions:** Check the **repo** box.

- **Usage:** When the terminal asks for your "Password," paste the Token (Characters will not appear as you paste).
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### 3. Initial Setup on PythonAnywhere

If your folder isn't linked to GitHub yet, run these in the **Bash Console**:

1. **Initialize:** `git init`
  2. **Link Repo:** `git remote add origin https://github.com/mehzan07/FlightFinder.git`
  3. **Rename Branch:** `git branch -m main`
  4. **Identity (Required for Pushing):**
    - `git config --global user.email "your-email@yahoo.com"`
    - `git config --global user.name "mehzan07"`
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### 4. The Sync Workflow (The Golden Rules)

#### A. Updating the Live Website (Pulling)

When you finish code on your PC and want it live:

1. **On PC:** `git add .git commit -m "update"git push origin main`
2. **On PA Console:** (or to force overwrite).`git pull origin maingit reset --hard origin/main`
3. **On PA Web Tab:** Click the green **Reload** button. (**Crucial Step**)

#### B. Saving Server Changes to GitHub (Pushing)

If you edited files directly in the PythonAnywhere editor:

1. **On PA Console:** `git add .`
  2. **On PA Console:** `git commit -m "Fixing on server"`
  3. **On PA Console:** `git push origin main`
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### 5. Troubleshooting Checklist

- **Changes not appearing?** Press **Ctrl + F5** to clear browser cache.
  - **Search button "hanging"?** Ensure has the  
`fix.flightfinder.jsprop("disabled", false)`
  - **File missing after Reset?** If was not on GitHub, it will delete it. Always keep a backup of JSON files.  
`airports.jsongit reset --hard`
  - **Auth Error?** Your Token might have expired. Generate a new one in GitHub Developer Settings.
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## Final Security Tip

**Revoke the token** you shared in this chat immediately in your GitHub settings. Generate a fresh one for your future work to keep your account safe.