# **Firebase Domain Authorization Setup**

## **Step 1: Add Authorized Domains**

- 1. Go to Firebase Console
- 2. Select your project
- 3. Go to Authentication → Settings → Authorized domains
- 4. Add these domains:

localhost

127.0.0.1

bowersworld com

www.bowersworld.com

yourusername.github.io (replace with your GitHub username)

### **Step 2: Enable Authentication Methods**

- 1. Go to Authentication → Sign-in method
- 2. Enable **Email/Password**
- 3. Enable **Google** (optional but recommended)
  - Add vour email as test user
  - Set support email

### **Step 3: Check API Restrictions (if applicable)**

- Go to Google Cloud Console
- 2. Navigate to **APIs & Services** → **Credentials**
- Find your API key → Click edit
- 4. Under "Application restrictions":
  - Select "HTTP referrers"
  - Add: localhost:\*, (127.0.0.1:\*), bowersworld.com/\*

# **Step 4: Test Configuration**

After making these changes:

- 1. Start local server: (python3 -m http.server 8080)
- Access: http://localhost:8080/Updates/firebase\_auth\_system.html

- Open browser console to check for errors
- Try registering a test account

### **Common Error Solutions**

### "API key not valid"

- Double-check your Firebase config values
- Ensure API key is copied correctly (no extra spaces)
- Verify project ID matches exactly

#### "auth/unauthorized-domain"

- Add your domain to authorized domains list
- Wait 5-10 minutes for changes to propagate
- Clear browser cache and try again

#### "Failed to load resource: 400"

- Check if Firebase project is active
- Verify authentication is enabled
- Ensure billing is set up (if required)

#### **CORS** errors

- Must use HTTP server, not file:// protocol
- Add proper domain authorization
- Check for mixed content (HTTP/HTTPS) issues