**API Documentation for Tamil Freelancer Platform**

**Base URLs**

- Production: https://tamilfreelancer.rest

- Development: <http://mini.local:3000>

**1. Subdomain Handler**

Handles both custom domains and subdomains.

**Response Examples:**

Not authenticated:

"Welcome to the main site!!!"

Authenticated (subdomain):

"Hey username! This is your subdomain site."

Authenticated (custom domain):

"Hey username! This is your custom domain site."

**2. User Registration**

POST /register

Registers a new user and creates a subdomain.

**Request Body:**

{

"username": "johndoe",

"name": "John Doe"

}

**Success Response (201):**

{

"message": "Registration successful",

"subdomain": "https://johndoe-abc123.tamilfreelancer.rest",

"username": "johndoe",

"name": "John Doe",

"subdomainId": "johndoe-abc123"

}

**3. Get User's Subdomain**

GET /user/:username/subdomain

{

"username": "johndoe",

"name": "John Doe",

"subdomain": "https://johndoe-abc123.tamilfreelancer.rest",

"subdomainId": "johndoe-abc123"

}

**4. Add Custom Domain**

POST /api/domains

**Request Body:**

{

"username": "johndoe",

"customDomain": "example.com"

}

**Success Response (200):**

{

"message": "Custom domain added successfully",

"domain": "example.com",

"status": "pending",

"dns\_setup": {

"message": "Please configure the following DNS records:",

"records": [

{

"type": "A",

"name": "@",

"value": "76.76.21.21",

"description": "Root domain record",

"ttl": "Auto"

},

{

"type": "CNAME",

"name": "www",

"value": "cname.vercel-dns.com",

"description": "WWW subdomain record",

"ttl": "Auto"

}

]

}

}

**5. Verify Domain**

POST /api/domains/:username/verify

{

"message": "Domain verified successfully",

"domain": "example.com",

"status": "verified",

"next\_steps": {

"message": "Your domain is now verified and active",

"note": "Your custom domain should now be working"

}

}

**6. Check DNS Propagation**

GET /api/domains/check-dns?domain=example.com

**Success Response (200):**

{

"domain": "example.com",

"propagation\_status": {

"a\_record": {

"status": "valid",

"value": ["76.76.21.21"],

"expected": "76.76.21.21"

},

"cname\_record": {

"status": "valid",

"value": ["cname.vercel-dns.com"],

"expected": "cname.vercel-dns.com"

}

}

}

**Limitations and Constraints**

1 **Subdomain Generation:**

1. Subdomains are auto-generated using username + random suffix
2. Limited to lowercase alphanumeric characters
3. Maximum length constraints apply

2 **Custom Domains:**

1. One custom domain per user
2. Must configure both A record and CNAME record
3. DNS propagation can take up to 48 hours

3 **Database:**

1. Uses Supabase
2. Unique constraints on username, subdomain, and custom\_domain

**Flow Diagrams**

**User Registration Flow:**

User Request → Validate Input → Check Username → Generate Subdomain → Create User → Return Subdomain URL

**Custom Domain Flow:**

Add Domain Request → Verify User → Check Domain Availability → Add to Vercel → Update Database → Provide DNS Instructions → User Configures DNS → Verify DNS → Activate Domain

**Request Handling Flow:**

Request → Extract Subdomain → Check Custom Domain → Check Subdomain → Load User Data → Serve Response