

# Onboarding EndUser

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**Base URL:** `https://api.fursahub.com/api/v1`

**Short Description:** Onboarding flow endpoints for Fursa Hub. Guides new users through phone verification, preference selection, and profile completion. All content is translated based on user's preferredLanguage setting.

## Hints:

- Onboarding steps must be completed in order - skipping ahead returns 412 PRECONDITION\_FAILED
- Phone verification uses OTP sent via SMS (supports TZ, KE, UG, RW, BI country codes)
- Preference pages are dynamic - admin can add/remove/reorder without code changes
- User's preferredLanguage determines translation of all onboarding content
- Email verification is optional/skippable by default (Firebase handles actual verification)

## Complete Onboarding Flow



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#### STEP 2: PENDING\_PHONE\_VERIFICATION (Required)

- POST /onboarding/auth-phone/request-otp
  - └ User enters phone number (+255...)
  - └ Backend sends OTP via SMS
  - └ Returns token for verification
- POST /onboarding/auth-phone/verify
  - └ User enters 6-digit OTP
  - └ On success: phone saved, transitions to next step
- POST /onboarding/auth-phone/resend-otp (if needed)

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#### STEP 3: PENDING\_PREFERENCES (Required)

- GET /onboarding/pages?current=true
  - └ Get current preference page
- Loop through pages:
  - └ Display options (translated to user's language)
  - └ User selects options
  - └ POST /onboarding/pages/{pageId}/response
  - └ Or POST /onboarding/pages/{pageId}/skip (if skippable)
  - └ Move to next page until all complete
- Auto-transitions when all pages completed

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#### STEP 4: PENDING\_PROFILE\_COMPLETION (Required)

- GET /profile
  - └ Get current profile (some data from Firebase)
- PUT /profile
  - └ fullName (required)
  - └ username (required, unique)
  - └ bio (required)
  - └ gender, link (optional)
- On save: auto-completes onboarding

STEP 5: COMPLETED ✓

- Navigate to home screen
- User can now access all app features

# Phone Verification Endpoints

## 1. Request OTP

**Purpose:** Send OTP code to user's phone number for verification.

**Endpoint:** **POST** `{base_url}/onboarding/auth-phone/request-otp`

**Access Level:**  Protected

**Authentication:** Bearer Token

**Prerequisite:** User must be at `PENDING_PHONE_VERIFICATION` step

**Request JSON Sample:**

```
{
  "phoneNumber": "+255712345678"
}
```

**Request Body Parameters:**

Parameter	Type	Required	Description	Validation
phoneNumber	string	Yes	Phone number with country code	E.164 format: +255XXXXXXXXXX

**Supported Country Codes:**

- +255 - Tanzania
- +254 - Kenya
- +256 - Uganda
- +250 - Rwanda
- +257 - Burundi

### Success Response JSON Sample:

```
{
  "success": true,
  "httpStatus": "OK",
  "message": "OTP sent successfully",
  "action_time": "2025-01-05T10:30:45",
  "data": {
    "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9...",
    "phoneNumber": "+255****678",
    "expiresInSeconds": 600,
    "resendAvailableIn": 120
  }
}
```

### Success Response Fields:

Field	Description
token	Temporary token for verify/resend endpoints
phoneNumber	Masked phone number for display
expiresInSeconds	OTP validity period (10 minutes)
resendAvailableIn	Seconds until resend allowed (2 minutes)

### Error Responses:

#### Wrong Onboarding Step (412):

```
{
  "success": false,
  "httpStatus": "PRECONDITION_FAILED",
  "message": "Onboarding step required",
  "action_time": "2025-01-05T10:30:45",
  "data": {
    "message": "Complete email verification first",
    "currentStep": "PENDING_EMAIL_VERIFICATION",
  }
}
```

```
    "requiredStep": "PENDING_EMAIL_VERIFICATION"
  }
}
```

#### *Rate Limit Exceeded (429):*

```
{
  "success": false,
  "httpStatus": "TOO_MANY_REQUESTS",
  "message": "Too many OTP requests. Try again in 10 minutes.",
  "action_time": "2025-01-05T10:30:45",
  "data": "Too many OTP requests. Try again in 10 minutes."
}
```

#### *Phone Already Registered (409):*

```
{
  "success": false,
  "httpStatus": "CONFLICT",
  "message": "Phone number already registered",
  "action_time": "2025-01-05T10:30:45",
  "data": "Phone number already registered"
}
```

---

## 2. Verify OTP

**Purpose:** Verify OTP code and complete phone verification.

**Endpoint:** **POST** `{base_url}/onboarding/auth-phone/verify`

**Access Level:**  Protected

**Authentication:** Bearer Token

**Request JSON Sample:**

```
{
  "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9...",
  "otp": "123456"
}
```

## Request Body Parameters:

Parameter	Type	Required	Description	Validation
token	string	Yes	Token from request-otp response	Must be valid, non-expired
otp	string	Yes	6-digit OTP code	Exactly 6 digits

## Success Response JSON Sample:

```
{
  "success": true,
  "httpStatus": "OK",
  "message": "Phone verified successfully",
  "action_time": "2025-01-05T10:35:00",
  "data": {
    "verified": true,
    "phoneNumber": "+255****678",
    "onboardingStatus": "PENDING_PREFERENCES",
    "nextStep": "/api/v1/onboarding/pages"
  }
}
```

## Error Responses:

### *Invalid OTP (403):*

```
{
  "success": false,
  "httpStatus": "FORBIDDEN",
  "message": "Invalid OTP. 2 attempt(s) remaining.",
  "action_time": "2025-01-05T10:35:00",
  "data": "Invalid OTP. 2 attempt(s) remaining."
}
```

### *Expired OTP (403):*

```
{
  "success": false,
  "httpStatus": "FORBIDDEN",
  "message": "OTP has expired. Please request a new one.",
  "action_time": "2025-01-05T10:35:00",
}
```

```
"data": "OTP has expired. Please request a new one."
}
```

*Max Attempts Reached (403):*

```
{
  "success": false,
  "httpStatus": "FORBIDDEN",
  "message": "Maximum attempts reached. Please request a new OTP.",
  "action_time": "2025-01-05T10:35:00",
  "data": "Maximum attempts reached. Please request a new OTP."
}
```

## 3. Resend OTP

**Purpose:** Request a new OTP code using the existing token.

**Endpoint:** **POST** `{base_url}/onboarding/auth-phone/resend-otp`

**Access Level:**  Protected

**Authentication:** Bearer Token

**Request JSON Sample:**

```
{
  "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9..."
}
```

**Success Response:** Same as Request OTP endpoint

## Email Verification Endpoints

### 4. Get Email Verification Status

**Purpose:** Check email verification status and options.

**Endpoint:** **GET** `{base_url}/onboarding/email-verification/status`

**Access Level:**  Protected

**Authentication:** Bearer Token

**Success Response JSON Sample:**

```
{
  "success": true,
  "httpStatus": "OK",
  "message": "Email verification status",
  "action_time": "2025-01-05T10:00:00",
  "data": {
    "verified": false,
    "email": "jo***@example.com",
    "required": false,
    "canSkip": true,
    "currentStep": "PENDING_EMAIL_VERIFICATION"
  }
}
```

## 5. Skip Email Verification

**Purpose:** Skip email verification step (if allowed by config).

**Endpoint:** **POST** `{base_url}/onboarding/email-verification/skip`

**Access Level:**  Protected

**Authentication:** Bearer Token

**Success Response JSON Sample:**

```
{
  "success": true,
  "httpStatus": "OK",
  "message": "Email verification skipped",
  "action_time": "2025-01-05T10:05:00",
  "data": {
    "verified": false,
```

```
"skipped": true,  
"nextStep": "PENDING_PHONE_VERIFICATION"  
}  
}
```

# Preference Pages Endpoints

## 6. Get Onboarding Progress

**Purpose:** Get overall onboarding progress with all steps.

**Endpoint:** **GET** `{base_url}/onboarding/progress`

**Access Level:**  Protected

**Authentication:** Bearer Token

**Success Response JSON Sample:**

```
{  
  "success": true,  
  "httpStatus": "OK",  
  "message": "Progress retrieved",  
  "action_time": "2025-01-05T10:40:00",  
  "data": {  
    "percentage": 45.0,  
    "currentStage": "PENDING_PREFERENCES",  
    "currentStageLabel": "Complete your preferences",  
    "steps": [  
      {  
        "key": "registration",  
        "label": "Registration",  
        "completed": true,  
        "weight": 15.0,  
        "skippable": false  
      },  
      {
```

```
    "key": "phone_verification",
    "label": "Phone Verification",
    "completed": true,
    "weight": 15.0,
    "skippable": false
  },
  {
    "key": "page_interests",
    "label": "Your Interests",
    "completed": true,
    "weight": 13.33,
    "skippable": false
  },
  {
    "key": "page_goals",
    "label": "Your Goals",
    "completed": false,
    "weight": 13.33,
    "skippable": true
  },
  {
    "key": "page_experience",
    "label": "Your Experience",
    "completed": false,
    "weight": 13.33,
    "skippable": false
  },
  {
    "key": "profile_completion",
    "label": "Complete Profile",
    "completed": false,
    "weight": 15.0,
    "skippable": false
  }
],
"nextStep": {
  "key": "page_goals",
  "label": "Your Goals",
  "endpoint": "/api/v1/onboarding/pages?page=2",
  "skippable": true
}
```

```
}  
}  
}
```

## 7. Get All Pages

**Purpose:** Get all preference pages with completion status.

**Endpoint:** **GET** `{base_url}/onboarding/pages`

**Access Level:**  Protected

**Authentication:** Bearer Token

**Query Parameters:**

Parameter	Type	Required	Description
all	boolean	No	Return all pages (default behavior)
page	integer	No	Get specific page by order (1, 2, 3...)
category	string	No	Get page by category key
current	boolean	No	Get first incomplete page

**Success Response JSON Sample:**

```
{  
  "success": true,  
  "httpStatus": "OK",  
  "message": "All pages retrieved",  
  "action_time": "2025-01-05T10:45:00",  
  "data": {  
    "totalPages": 3,  
    "completedPages": 1,  
    "isOnboardingComplete": false,  
    "pages": [  
      {  
        "id": "550e8400-e29b-41d4-a716-446655440001",  
        "pageOrder": 1,  
        "categoryKey": "interests",
```

```
"title": "Maslahi Yako",
"description": "Chagua mambo yanayokuvutia",
"bannerImages": ["https://cdn.fursahub.com/onboarding/interests.jpg"],
"isSkippable": false,
"minSelections": 1,
"maxSelections": 5,
"options": [
  { "key": "jobs", "label": "Kazi", "icon": "briefcase" },
  { "key": "funding", "label": "Ufadhili", "icon": "dollar" },
  { "key": "events", "label": "Matukio", "icon": "calendar" },
  { "key": "skills", "label": "Ujuzi", "icon": "book" },
  { "key": "networking", "label": "Mitandao", "icon": "users" }
],
"isCompleted": true
},
{
  "id": "550e8400-e29b-41d4-a716-446655440002",
  "pageOrder": 2,
  "categoryKey": "goals",
  "title": "Malengo Yako",
  "description": "Unataka kufikia nini?",
  "isSkippable": true,
  "minSelections": 1,
  "maxSelections": 3,
  "options": [
    { "key": "find_job", "label": "Kupata kazi", "icon": "search" },
    { "key": "start_business", "label": "Kuanzisha biashara", "icon": "store" },
    { "key": "learn_skills", "label": "Kujifunza ujuzi", "icon": "graduation" },
    { "key": "get_funding", "label": "Kupata ufadhili", "icon": "money" }
  ],
  "isCompleted": false
}
]
}
}
```

---

## 8. Get Current Page

**Purpose:** Get the first incomplete preference page.

**Endpoint:** `GET` `{base_url}/onboarding/pages?current=true`

**Success Response JSON Sample:**

```
{
  "success": true,
  "httpStatus": "OK",
  "message": "Current page retrieved",
  "action_time": "2025-01-05T10:50:00",
  "data": {
    "page": {
      "id": "550e8400-e29b-41d4-a716-446655440002",
      "pageOrder": 2,
      "categoryKey": "goals",
      "title": "Malengo Yako",
      "description": "Unataka kufikia nini?",
      "isSkippable": true,
      "minSelections": 1,
      "maxSelections": 3,
      "options": [...]
    },
    "progress": {
      "current": 2,
      "total": 3,
      "nextPage": 3,
      "isLast": false,
      "isCompleted": false
    }
  }
}
```

## 9. Submit Page Response

**Purpose:** Save user's selections for a preference page.

**Endpoint:** `POST` `{base_url}/onboarding/pages/{pageId}/response`

**Access Level:**  Protected

**Authentication:** Bearer Token

**Path Parameters:**

Parameter	Type	Required	Description
pageId	UUID	Yes	Page identifier

**Request JSON Sample:**

```
{
  "selectedOptions": ["find_job", "learn_skills"]
}
```

**Request Body Parameters:**

Parameter	Type	Required	Description	Validation
selectedOptions	array	Yes	Array of selected option keys	Must match page's min/max selections

**Success Response JSON Sample:**

```
{
  "success": true,
  "httpStatus": "OK",
  "message": "Response saved",
  "action_time": "2025-01-05T10:55:00",
  "data": {
    "saved": true,
    "progress": {
      "current": 2,
      "total": 3,
      "nextPage": 3,
      "isLast": false,
      "isCompleted": false
    }
  }
}
```

**Error Responses:**

*Too Few Selections (400):*

```
{
  "success": false,
  "httpStatus": "BAD_REQUEST",
  "message": "Minimum 1 selection(s) required",
  "action_time": "2025-01-05T10:55:00",
  "data": "Minimum 1 selection(s) required"
}
```

*Invalid Option (400):*

```
{
  "success": false,
  "httpStatus": "BAD_REQUEST",
  "message": "Invalid option: unknown_key",
  "action_time": "2025-01-05T10:55:00",
  "data": "Invalid option: unknown_key"
}
```

## 10. Skip Page

**Purpose:** Skip a preference page (only if page is skippable).

**Endpoint:** **POST** `{base_url}/onboarding/pages/{pageId}/skip`

**Access Level:**  Protected

**Authentication:** Bearer Token

**Success Response JSON Sample:**

```
{
  "success": true,
  "httpStatus": "OK",
  "message": "Page skipped",
  "action_time": "2025-01-05T11:00:00",
  "data": {
    "saved": true,
    "progress": {
      "current": 2,
      "total": 3,
    }
  }
}
```

```
    "nextPage": 3,
    "isLast": false,
    "isCompleted": false
  }
}
```

#### Error Response (Page Not Skippable):

```
{
  "success": false,
  "httpStatus": "BAD_REQUEST",
  "message": "This page cannot be skipped",
  "action_time": "2025-01-05T11:00:00",
  "data": "This page cannot be skipped"
}
```

# Language Preference Endpoint

## 11. Set Language Preference

**Purpose:** Update user's language preference (can be called anytime during onboarding).

**Endpoint:** **POST** `{base_url}/onboarding/language-preference`

**Access Level:**  Protected

**Authentication:** Bearer Token

#### Request JSON Sample:

```
{
  "code": "sw"
}
```

#### Success Response JSON Sample:

```
{
  "success": true,
  "httpStatus": "OK",
  "message": "Language preference updated",
  "action_time": "2025-01-05T11:05:00",
  "data": {
    "code": "sw",
    "name": "Swahili",
    "nativeName": "Kiswahili"
  }
}
```

# Frontend Implementation Guide

## Phone Verification Screen

1. Show phone input with country code selector
2. On submit: POST /onboarding/auth-phone/request-otp
3. Save token from response
4. Navigate to OTP input screen
5. Show countdown for resendAvailableIn
6. On OTP submit: POST /onboarding/auth-phone/verify
7. On success: Navigate based on nextStep

## Preference Pages Loop

1. GET /onboarding/pages?current=true
2. If page is null → All done, navigate to profile
3. Display page with:
  - ├ Title, description (translated)
  - ├ Banner image
  - ├ Options as selectable chips/cards
  - └ Skip button (if isSkippable)
4. On submit: POST /onboarding/pages/{pageId}/response
5. Check progress.isCompleted
  - ├ true → Navigate to profile completion

└ false → GET /onboarding/pages?current=true (loop)

# Progress Indicator

GET /onboarding/progress

- └ Use percentage for progress bar
- └ Show steps as dots/icons
- └ Highlight current step
- └ Show completed steps with checkmarks

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