Government Secure Doc Print/Save as PDF Sharing Portal

Complete User Guide & Technical Documentation



- User Authentication: Email/password registration and login
- OTP Verification: Phone number verification with demo OTP system
- Profile Management: Complete user profile with Aadhaar integration
- Document Upload: Multi-file upload with progress tracking
- **Document Deletion**: Secure file deletion functionality
- Firebase Integration: Real-time database and cloud storage
- Responsive Design: Mobile-friendly interface



System Requirements

- Modern web browser (Chrome, Firefox, Safari, Edge)
- Internet connection for Firebase services
- JavaScript enabled



Setup Instructions

1. File Structure

```
project-folder/ — index.html # Main HTML file — auth.js #
JavaScript functionality — style.css # Styling and layout —
README.md # This file
```

2. Firebase Configuration

The system uses Firebase for:

• Authentication: User registration/login

• **Firestore**: User profile storage

• Storage: Document file storage

Current Firebase Config (already configured in code):

- Project ID: gov-doc--system
- Auth Domain: gov-doc--system.firebaseapp.com
- Storage Bucket: gov-doc--system.firebasestorage.app

3. Deployment

- 1. Upload all files to your web server
- 2. Ensure Firebase CDN links are accessible
- 3. Test the application in a web browser

User Guide

Getting Started

1 Home Page

- · Welcome page with portal introduction
- Two main options: "Register Now" or "Login"

2 Registration Process

Option A: Email Registration

- 1. Click "Register Now"
- 2. Enter email address and password
- 3. Click "Register" button
- 4. Success message will appear
- 5. Automatically redirected to login page

Option B: OTP Registration

- 1. From login page, click "Sign up with OTP"
- 2. Enter 10-digit phone number
- 3. Click "Send OTP"
- 4. Enter the demo OTP: 123456
- 5. Click "Verify OTP"
- 6. Redirected to profile page

3 Login

- 1. Enter registered email and password
- 2. Click "Login" button
- 3. Success login redirects to document management

4 Profile Management

Complete your profile with:

Personal Information: First name, last name, email

• **Identity**: 12-digit Aadhaar number

• Demographics: Gender, date of birth, age

Location: Country, state, city

• Contact: Phone number (auto-filled from OTP)

Profile Features:

- Data stored securely in Firebase Firestore
- · Real-time profile display after saving
- Aadhaar number used as unique identifier

5 Document Management

Upload Documents:

- 1. Navigate to Documents page (after login)
- 2. Select files using the file input
- 3. Supported formats: .doc, .docx, .pdf, .jpg, .jpeg, .png
- 4. Click "Upload Files"
- 5. Monitor upload progress
- Confirmation message on successful upload

Delete Documents:

- 1. In the delete section, enter exact file name
- 2. Click "Delete File" (red button)
- 3. Confirmation message on successful deletion

Technical Details

Authentication System

- Firebase Auth: Handles user registration and login
- Demo OTP: Uses hardcoded OTP 123456 for demonstration
- Session Management: Firebase handles user sessions
- Logout: Clears user session and local storage

Data Storage

- User Profiles: Stored in Firestore collection users
- Document ID: Aadhaar number used as document ID
- File Storage: Firebase Storage in files/ directory
- Local Storage: Temporary phone number storage for OTP flow

Security Features

- Input Validation: Form validation for all inputs
- File Type Restrictions: Limited to specific document formats
- Authentication Gates: Document access requires login
- Firebase Rules: Server-side security (configure in Firebase Console)



Styling Features

- Modern Gradient Design: Purple-blue gradient theme
- Glass Morphism: Translucent backgrounds with backdrop blur
- Responsive Layout: Adapts to different screen sizes
- Interactive Elements: Hover effects and smooth transitions
- Status Messages: Color-coded success/error notifications



Component	Value	Description
Demo OTP	123456	Hardcoded OTP for testing
Phone Format	10-digit number	Indian mobile number format

Test Flow

1. Use OTP registration with any 10-digit number

2. Enter OTP: 123456

3. Complete profile with sample data

4. Test document upload/delete functionality

Important Notes

Security Considerations

- Demo Environment: Current OTP is hardcoded for testing
- Firebase Rules: Configure security rules in Firebase Console
- HTTPS Required: Use HTTPS in production for security
- Input Sanitization: Validate all user inputs server-side

Limitations

- Demo OTP: Not connected to real SMS service
- File Size: Limited by Firebase Storage quotas
- Concurrent Users: Limited by Firebase pricing plan

Browser Compatibility

- Modern Browsers: Requires ES6+ support
- JavaScript: Must be enabled
- Cookies: Required for Firebase authentication



Common Issues

Login/Registration Not Working:

- Check browser console for errors
- Verify Firebase configuration
- Ensure internet connection

File Upload Fails:

- Check file size and format
- Verify Firebase Storage rules
- Check browser permissions

OTP Not Working:

- Ensure using exact OTP: 123456
- Check phone number format (10 digits)
- Clear browser cache if needed

Profile Not Saving:

- Verify Firestore database rules
- Check all required fields
- Monitor browser console for errors

Future Enhancements

- Real SMS OTP integration
- Document preview functionality
- User role management
- Audit trail for document operations
- · Advanced search and filtering
- Bulk operations
- Email notifications

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