

Frontend Update Guide

Overview

This guide explains how to manually update your local Music-U-Scheduler repository with the new Next.js frontend and authentication fixes.

Changes Made

1. **Added Next.js Frontend:** A complete modern web interface located in the `frontend/` directory
2. **Fixed Authentication:** Updated API connections to use `http://localhost:8001` instead of `https://musicu.local`
3. **Default Admin Account:** Username: `admin` , Password: `MusicU2025`
4. **Role-based Routing:** Automatic redirection based on user roles (admin, instructor, student)

Manual Update Process

Option 1: Direct Copy (Recommended)

1. On your local machine, navigate to your Music-U-Scheduler repository
2. Copy the entire `frontend/` directory from this server to your local repository
3. Copy the `FRONTEND_UPDATE_GUIDE.md` file to your local repository

Option 2: Using Git Patch

1. Download the `frontend-updates.patch` file from this server
2. In your local repository, run: `git apply frontend-updates.patch`

Option 3: Manual Repository Clone

Since the GitHub token appears to be expired, you may need to:

1. Generate a new GitHub Personal Access Token
2. Update the remote URL: `git remote set-url origin https://YOUR_NEW_TOKEN@github.com/dfultonthebar/Music-U-Scheduler.git`
3. Push the changes: `git push origin main`

Setting Up the Frontend Locally

Prerequisites

- Node.js 18+ and npm/yarn installed
- Your FastAPI backend running on `http://localhost:8001`

Installation Steps

1. Navigate to the frontend directory: `cd frontend/`
2. Install dependencies: `yarn install` (or `npm install`)
3. Start development server: `yarn dev` (or `npm run dev`)
4. Access the application at: `http://localhost:3000`

Default Login Credentials

- **Username:** `admin`
- **Password:** `MusicU2025`

Key Features

- **Admin Dashboard:** Complete user and lesson management
- **Instructor Interface:** Schedule management and student tracking
- **Modern UI:** Built with Next.js, Tailwind CSS, and Shadcn/ui
- **Role-based Access:** Automatic routing based on user permissions
- **API Integration:** Connects to your FastAPI backend seamlessly

Troubleshooting

1. **Backend Connection Issues:** Ensure your FastAPI server is running on `http://localhost:8001`
2. **Authentication Problems:** Check that the default admin account is properly configured in your backend
3. **Build Issues:** Run `yarn install` to ensure all dependencies are properly installed

Next Steps

1. Test the frontend with the default admin credentials
2. Configure additional users through the admin interface
3. Customize the interface as needed for your specific requirements

For support or questions about this update, refer to the commit message or contact the development team.