⚡ CS Study Hub - Quick Start Card

🎯 What to Do Right Now

Step 1: Update Files (5 minutes)

```bash
# Your Flutter project already exists!
# Just update these 2 files:
```

File 1: `lib/main.dart`

- Open your `cs_study_hub/lib/main.dart`
- Delete everything
- Copy from artifact: `flutter_main_dart`
- **IMPORTANT:** Line 21 - Change `localhost` to your IP address

File 2: `notes.py` (backend)

- Open your backend `notes.py`
- Replace with code from artifact: `updated_notes_py`
- Line 29 - Verify MySQL password is correct

Step 2: Run Database (2 minutes)

```bash
mysql -u root -p < database_schema.sql
```

Step 3: Start Backend (1 minute)

```bash
cd your_backend_folder
python notes.py
```

Should see: `Uvicorn running on http://0.0.0.0:8000 ✓`

Step 4: Run Flutter App (1 minute)

```bash
cd cs_study_hub
flutter run
```

✅ Test Login

Student:

- UCCMS: `12345`
- Password: `password`

Admin (browser only):

- UCCMS: `ADMIN001`
- Password: `admin123`

🔧 Find Your IP Address

Windows:

```cmd
ipconfig
# Look for: IPv4 Address . . . : 192.168.1.XXX
```

Mac/Linux:

```bash
ifconfig
# Look for: inet 192.168.1.XXX
```

Update in `main.dart` **line 21:**

```dart
static const String baseUrl = 'http://192.168.1.XXX:8000';
```

📁 Your Files

Backend Files:

- `notes.py` ← Update this
- `database_schema.sql` ← Run once
- `uploaded_files/` ← Auto-created
- `admin_dashboard.html` ← Use in browser

Flutter Files:

- `lib/main.dart` ← Update this
- `pubspec.yaml` ← Already good

🎯 First Test

1. Start backend → `python notes.py`
2. Run Flutter → `flutter run`
3. Login with `12345` / `password`
4. Should see home screen ✓
5. Click Browse → see sample notes ✓
6. Click Upload → try uploading ✓
7. Open admin panel → approve upload ✓

🆘 Quick Fixes

Can't connect? → Change `localhost` to your IP in `main.dart`

Backend won't start? → Check MySQL password in `notes.py`

No notes showing? → Run `database_schema.sql` again

File upload fails? → Create `uploaded_files/` folder

🔢 Build Android APK

```bash
flutter build apk --release
# APK at: build/app/outputs/flutter-apk/app-release.apk
```

🎉 That's It!

You now have:

- ✅ Mobile app working
- ✅ Backend running
- ✅ Database setup
- ✅ Ready for students!

Total time: ~10 minutes 🚀