TO TEST

```
python3 -m venv .venv
source .venv/bin/activate

pip install -r requirements.txt


pip install git+https://github.com/traversaal-ai/AgentPro.git

cat > .env << 'EOF'
OPENAI_API_KEY=sk-proj-zPyvg22C4WVZFSSctsGl-0Ib-
Jf88Id5svDxkt4NbIWyjlXlnyfTRm7p5tCLxkcDsGvwCDEsGuT3BlbkFJB5GKu5-0zXK5AGsa
QKR5NQdZ9UMT4pt4YoKl4OEHggx0y5jDuLC_3Eb2rGiKr2zAXYKMndTvIA
CHAT_MODEL=gpt-4o-mini
MODEL_PROVIDER=openai
EOF

export $(cat .env | xargs)

uvicorn agentpro_app.main_v2:app --reload --port 8080 - Opens up portal

Paste the link in browser ____
```

4.2 Testing Workflow

```bash
# 1. Health check
curl http://localhost:8080/
# Expected: {"ok": true, "message": "StudyBuddy Pro v2.0 - Multi-Agent Edition", ...}

# 2. Upload test PDF
curl -X POST http://localhost:8080/ingest \
  -F user_id=student1 \
  -F course_id=cs101 \
  -F title="Binary Search Trees" \
  -F file=@test_bst.pdf
# Expected: {"ok": true, "chunks": N, ...}

# 3. Get study guide
curl -X POST http://localhost:8080/chat \
  -H "Content-Type: application/json" \
```

```
  -d '{
    "user_id": "student1",
    "course_id": "cs101",
    "prompt": "explain binary search trees",
    "mode": "guide"
  }'

# 4. Generate quiz
curl -X POST http://localhost:8080/chat \
  -H "Content-Type: application/json" \
  -d '{
    "user_id": "student1",
    "course_id": "cs101",
    "prompt": "binary search tree operations",
    "mode": "quiz",
    "num_items": 5,
    "difficulty": "medium"
  }'

# 5. Run test scripts
bash test_api.sh
python test_progress_agent.py
```