⭐ **ELIAS – Day 4 (Friday) Official Work Plan**

(8 PM – 11 PM — First Full Development Day)

Theme: Start Real Coding — Plugins, Vision, Integration

🍀 **Team Roles (Same as Before — Reference Only)**

Member	Role	Responsibility
M S	Project Lead & Integrator	Routing, system flow, code integration
S S	NLP & Intent Developer	Add/intents, strengthen intent core
A K	Vision Engineer	Build real face-detection
R A	Plugin Developer	Convert placeholder plugins → real working actions
M A	Documentation & QA	Maintain logs, demos, documentation

🖼️ **Friday Tasks (Day 4 — The Real Work Starts Today)**

🟦 **1. M S — Project Lead & Integrator**

Goal: Connect all modules so ELIAS works end-to-end for the first time.

✔️ **Tasks (Today)**

1. **Update app.py routing to connect real plugins**
   Example:

from plugins.open_website import run as open_website

from plugins.youtube_search import run as youtube_search

from plugins.create_note import run as create_note

2. **Modify route_intent() to call real plugin logic**

Example:

if intent == "open_website":

  print(open_website(entities["url"]))

3. **Add optional face-authentication check**
   (Not strict today, but prepare it):

from vision import detect_face

4. **Perform full system integration test**
   Try commands like:

- *open google.com*

- *search youtube for lofi beats*

- *create a note hello*

5. **Create "Integration Checklist" inside docs/**
   This will be used Sat/Sun.

✓ **Expected Output**

- ELIAS actually performs actions

- Routing works

- Integration notes saved in docs/

- Team unblocked for the weekend

🟩 **2. S S — NLP Developer**

Goal: Strengthen the intent system for real usage.

✓ **Tasks**

1. **Add 2–3 new intents**, for example:

   o play_music

   o google_search

   o open_app

2. **Make existing patterns more flexible**
   e.g., allow:

   o "search yt for …"

   o "open the website …"

   o "launch … app"

3. **Improve entity extraction**
   e.g., multi-word queries:

4. play music imagine dragons songs

5. **Test everything using app.py**

✓ **Expected Output**

- NLP engine stronger

- More commands covered

- Reliable entity extraction

🟪 **3. A K — Vision & Authentication Engineer**

Goal: First version of real face-detection.

✓ **Tasks**

1. Open src/vision.py

2. Add actual face detection using HaarCascade:

- Load cascade

- Convert image to gray

- Detect faces

- Return True/False

3. Add a simple test script in vision_test.py

4. Send output to M S so he can integrate

✓ **Expected Output**

- detect_face() works

- Vision pipeline ready

- Authentication structure ready for integration

🟧 **4. R A — Plugin / Action Developer**

Goal: Make plugins *real* instead of placeholders.

✓ **Tasks**

Implement logic so plugins DO something:

open_website.py

Use:

import webbrowser

youtube_search.py

Generate URL:

https://www.youtube.com/results?search_query=QUERY

create_note.py

Append to a file in project root:

notes.txt

✓ Expected Output

- Plugins functional
- Can be triggered from app.py

🟨 5. M A — Documentation & QA

Goal: Document system until now + Create demo script.

✓ Tasks

1. Create:

docs/demo_script.md

2. Organize:

Day_1_Log.txt

Day_2_Log.txt

Day_3_Log.txt

3. Write **Day 4 Log** after everyone finishes
4. Help team ensure naming consistency

✓ Expected Output

- Clean documentation
- Demo script base created

- QA notes organized

🎯 Friday End-of-Day Expected State (Very Important)

By end of Friday:

✓ ELIAS can execute real actions

✓ S S's new intents work

✓ Plugins by R A work

✓ A K's face-detection runs

✓ app.py routes everything correctly

✓ M A logs everything

✓ The system is ready for **Saturday & Sunday full development**

This is the **first working prototype**, even if rough.