**SYSTEM SPECIFICATION: LOCAL PYJHORA DATA EXTRACTOR**

**🔧 PRIMARY GOAL**

Create a robust Python-based local processing system using PyJHora to extract full Jyotish data for a user, outputting structured JSON files with unique names for downstream integration (Wix, Colab, LLMs, etc.).

**🔁 INITIAL MODE**

* Runs locally
* Processes only one chart at a time (starting with Abhijeet)
* Later: accepts batch input from Jatak.txt
* Future: triggered via Wix webform or Google Colab

**🗃️ OUTPUT FILE STRUCTURE**

Each file must:

* Retain user identity with name + HHMM format
* Preserve native PyJHora JSON structure (no transformation)
* Follow a strict naming scheme

| **Content Type** | **Output Filename Suffix** |
| --- | --- |
| All divisional charts | \_all\_divisional\_charts.json |
| Planet strengths (Balas etc.) | \_planets\_details.json |
| Vimshottari Dashas (Full) | \_dasha\_vimshottari.json |
| Vimshottari (Filtered) | \_dasha\_vimshottari\_filtered.json |
| Chara Karakas | \_chara\_karakas.json |
| Chara Dasha (Parasara) | \_dasha\_Parasara\_Chara.json |
| Chara Dasha (K.N. Rao) | \_dasha\_KN\_Rao\_Chara.json |
| Mandooka Dasha (K.N. Rao) | \_dasha\_KN\_Rao\_Mandooka.json |
| Narayana Dasha | \_dasha\_Narayana.json |

**🛠️ INTERNAL LOGIC**

* Instantiate PyJHora’s Horoscope object using birth details
* Use modular imports to calculate:
  + D1 chart positions
  + Multiple Dasha systems
  + Balas and strengths
  + All divisional charts
* Save outputs per filetype using standardized names

**📦 STORAGE AND SCALABILITY**

* Files saved locally under ./Kundali/ directory
* Folder structure and naming unique per person via slugified\_name\_HHMM
* Prepared for eventual cloud mirroring / form-triggered runs

**1. Input Mode**

* Mode: **Single user (test mode)**
* Source: **Hardcoded birth data**
* Name: Abhijeet Singh Chauhan
* Birth details:
  + Date: 1976-09-06
  + Time: 11:20:00 (HH:MM:SS, 24-hour format)
  + Lat: 28.621111 (decimal degrees)
  + Lon: 77.080278 (decimal degrees)
  + Timezone: 5.5 (India Standard Time)
  + Gender: male

**2. Execution Flow**

**Step 1: Instantiate PyJHora Core**

from jhora.horoscope.main import Horoscope

h = Horoscope(

dob=dob,

tob=tob,

latitude=lat,

longitude=lon,

timezone=tz,

gender="male"

)

**Step 2: Extract All Required Components Using Module APIs**

**3. Export Targets**

Create **exactly 9 JSON files**, retaining full schema as-is.  
Save in ./Kundali/abhijeet\_singh\_chauhan\_1120/ with the exact filenames:

| **Export Type** | **Target Filename** | **Source File** |
| --- | --- | --- |
| All Divisional Charts | abhijeet\_singh\_chauhan\_1120\_all\_divisional\_charts.json | Parsed from uploaded file \*\_charts.json |
| Planetary Details | abhijeet\_singh\_chauhan\_1120\_planets\_details.json | Parsed from uploaded file \*\_additional.json |
| Vimshottari Dasha (Full) | abhijeet\_singh\_chauhan\_1120\_dasha\_vimshottari.json | Parsed from uploaded file \*\_dashas.json |
| Vimshottari Dasha (Filtered) | abhijeet\_singh\_chauhan\_1120\_dasha\_vimshottari\_filtered.json | Extracted range: 1 year in past to 3 years in future from today |
| Chara Karakas | abhijeet\_singh\_chauhan\_1120\_chara\_karakas.json | Parsed from uploaded file \*\_Chara.json |
| Chara Dasha (Parasara) | abhijeet\_singh\_chauhan\_1120\_dasha\_Parasara\_Chara.json | Parsed from uploaded file \*\_Chara Dasa (Parasara).json |
| Chara Dasha (K.N. Rao) | abhijeet\_singh\_chauhan\_1120\_dasha\_KN\_Rao\_Chara.json | Parsed from uploaded file \*\_Chara dasa of K.N.Rao.json |
| Mandooka Dasha (K.N. Rao) | abhijeet\_singh\_chauhan\_1120\_dasha\_KN\_Rao\_Mandooka.json | Parsed from uploaded file \*\_Mandooka dasa (K.N. Rao).json |
| Narayana Dasha | abhijeet\_singh\_chauhan\_1120\_dasha\_Narayana.json | Parsed from uploaded file \*\_Narayana Dasa.json |

**4. Export Format and Policy**

* Format: .json, UTF-8 encoded
* Structure: **DO NOT transform** PyJHora's schema
* Output via json.dump(data, fp, indent=2, ensure\_ascii=False)

**5. Folder and Filename Rules**

* Output base path: ./Kundali/
* Subfolder: abhijeet\_singh\_chauhan\_1120/ (slugified full name + HHMM)
* Filenames: Must match the export target list exactly
* The 1120 suffix (birth time in HHMM) is mandatory for uniqueness

**6. Dasha Scope Rules**

| **Dasha System** | **Time Range** | **Depth** |
| --- | --- | --- |
| Vimshottari | full range (as per data file) | Mahadasha → Antardasha → Pratyantar |
| Chara Dasha (Parasara) | full range (as per data file) | Mahadasha → Antardasha → Pratyantar |
| Chara Dasha (K.N. Rao) | full range (as per data file) | Mahadasha → Antardasha → Pratyantar |
| Mandooka Dasha (K.N. Rao) | full range (as per data file) | Mahadasha → Antardasha → Pratyantar |
| Narayana Dasha | full range (as per data file) | Mahadasha → Antardasha → Pratyantar |

* All periods must be exported in full, respecting the boundaries provided by the parsed data.
* The \_filtered file includes only Mahadasha, Antardasha, and Pratyantardasha segments starting **1 year before current system date** and ending **3 years after** that date.

**7. Batch Mode (Future Scope)**

* Input: Jatak.txt
* Multi-user loop based on structured parsing
* Output filenames follow identical format logic with HHMM suffix
* Not active in this version

**8. File Count Control**

* Required output: **9 files**
* If fewer are created, raise an error
* Enforce filename suffix compliance

**End of Specification**