Project Title

NSTI Admission Form Desktop Application

Objective

To develop a user-friendly desktop application that allows students to:

- Fill in admission forms for NSTI (National Skill Training Institute).
- Choose a trade and location.
- Submit and save admission data securely in a CSV file.
- View all form submissions in a tabular format.

Technology Stack

Component	Technology
GUI	Python `tkinter`
Data Format	`JSON`, `TXT`, `CSV`
Storage	Local CSV File
Platform	Desktop (Windows/Linux)

System Workflow

```
User Inputs → Form Validation → CSV Storage → Optional Data View
```

Application Features

1. **Admission Form UI:**
   - Full name and age fields.
   - Dropdown to select Trade (loaded from `trades.json`).
   - Dropdown to select NSTI Location (loaded from `nsti_locations.txt`).
2. **Trade Information:**
   - Button to view detailed info about selected trade.
3. **Form Validation:**
   - Ensures all fields are filled.
   - Validates age as a positive integer.
4. **Data Storage:**
   - Saves data in a local CSV file `admissions.csv`.
   - Automatically creates the file with headers if it doesn't exist.
5. **Submission View:**
   - View all submitted entries in a scrollable table.
   - Useful for administrative review.
6. **Exit Option:**
   - Closes the application safely.

📂 File Descriptions

File Name	Description
`admission_form.py`	Main application file with GUI and logic
`trades.json`	Contains trade names and descriptions
`nsti_locations.txt`	List of NSTI locations used in dropdown
`admissions.csv`	Output file storing all submitted admissions

Steps to Run the Application

1. Ensure the following files are in the same folder:
    - `admission_form.py`
    - `trades.json`
    - `nsti_locations.txt`
2. Install Python if not already installed.
3. Run the app:

```
python admission_form.py
```

Use of the NSTI Admission Form Project

Use Case	Description
Educational Institutes	Helps NSTIs collect student admission data digitally.
Admins/Operators	Easily review all form submissions in one place.
Students	Can fill and submit application quickly without paperwork.
Learning	Demonstrates file handling, GUI design, and form logic in Python.