Patient Record Manager

PatientRecordManagementSystem

-bst

- ■ __init__(self)
- ■ add_patient_record(self, patient_id, name, age, diagnosis, blood_pressure, pulse, body_temperature)
- ■ search_patient_record(self, patient_id)
- ■ delete_patient_record(self, patient_id)
- ■ display_all_records(self)
- ■ build_tree_from_csv(self, file_path)
- ■ visualize_tree(self)
- ■ _add_nodes(self, dot, node)

Node

-key
-value=none

- ■ __init__(self, key, value=None)

BST

-node
-key

- ■ __init__(self)
- ■ insert(self, node)
- ■ search(self, desired_key)
- ■ remove(self, key)
  - ■ inorder_traversal(self, node)
  - ■ preorder_traversal(self, node)
  - ■ postorder_traversal(self, node)

Main

- Load CSV data
- Instantiate PatientRecordManagementSystem
- Add/Delete/Search patients
- Display/Visualize BST

Patient Record

- patient_id: int
- name: str
- age: int
- diagnosis: str
- blood_pressure: str
- pulse: int
- body_temperature: float

- ■ __init__(self, patient_id, name, age, diagnosis, blood_pressure, pulse, body_temperature)

Patients Data