Hospital

- city: String
- phoneNumber: String
- mailAddress: String

+ Hospital()
+ Hospital(String, String, String)
+ Getters and Setters

Member

name: String
surname: String

+ Member()
+ Member(String, String)
+ *calcExaminationFee(): double*
+ Getters and Setters
+ toString: String

Patients

- VAT = 1.8: double
- records: ArrayList<Records>
- patientId: int
- age: int
- gender: String
- titleOfDoctorForFee: String

+ Patients()
+ Patients(String, String, String, int, ArrayList<Records>)
+ Getters and Setters
+ *calcExaminationFee (): double*
+ toString(): String

HospitalSys

- hospitals: Hospital[ ]
- doctorSet: HashSet<Doctors>
- patientSet: HashSet<Patients>

+ readFromHospitalFile(): boolean
+ readFromDoctorFile(): boolean
+ displayRecordInfo(int): String
+ displayDoctorInfo(String): String
+ searchPatient(int): Patients
+ deleteReservation(int): boolean
+ addPatient(String, String, int, int, String, String): boolean
+ addRecord(String, String, int, String): boolean
+ checkPatientId(int): boolean
+ getBranchName(HashSet<Doctors>, String): String[]
+ getCityName(String): HashSet<Doctors>
+ getPatientSet(): HashSet<Patients>
+ getDoctorSet(): HashSet<Doctors>
+ calCheckUpPrice(String): double
+ getHospital(int): Hospital
+ Getters and Setters

Doctors

- graduatedSchool: String
- titleOfDoctor: String
- hireDate: String
- assistantName: String
- branch: String
- city: String

+ Doctors()
+ Doctors(String, String, String, String, String, String, String, String)
+ Getters and Setters
+ *calcExaminationFee(): double*
+ toString(): String

HospitalMain

+ main(String[ ]args): void

Records

- medicalImage: String
- branch: String
- date: String
- numOfRecord = 0: int

+ Records()
+ Records(String, String)
+ Getters and Setters
+ toString(): String
+ getNumOfRecord(): int

<<Interface>>
Interface

GenerateImageName(int indexOfPhoto): String