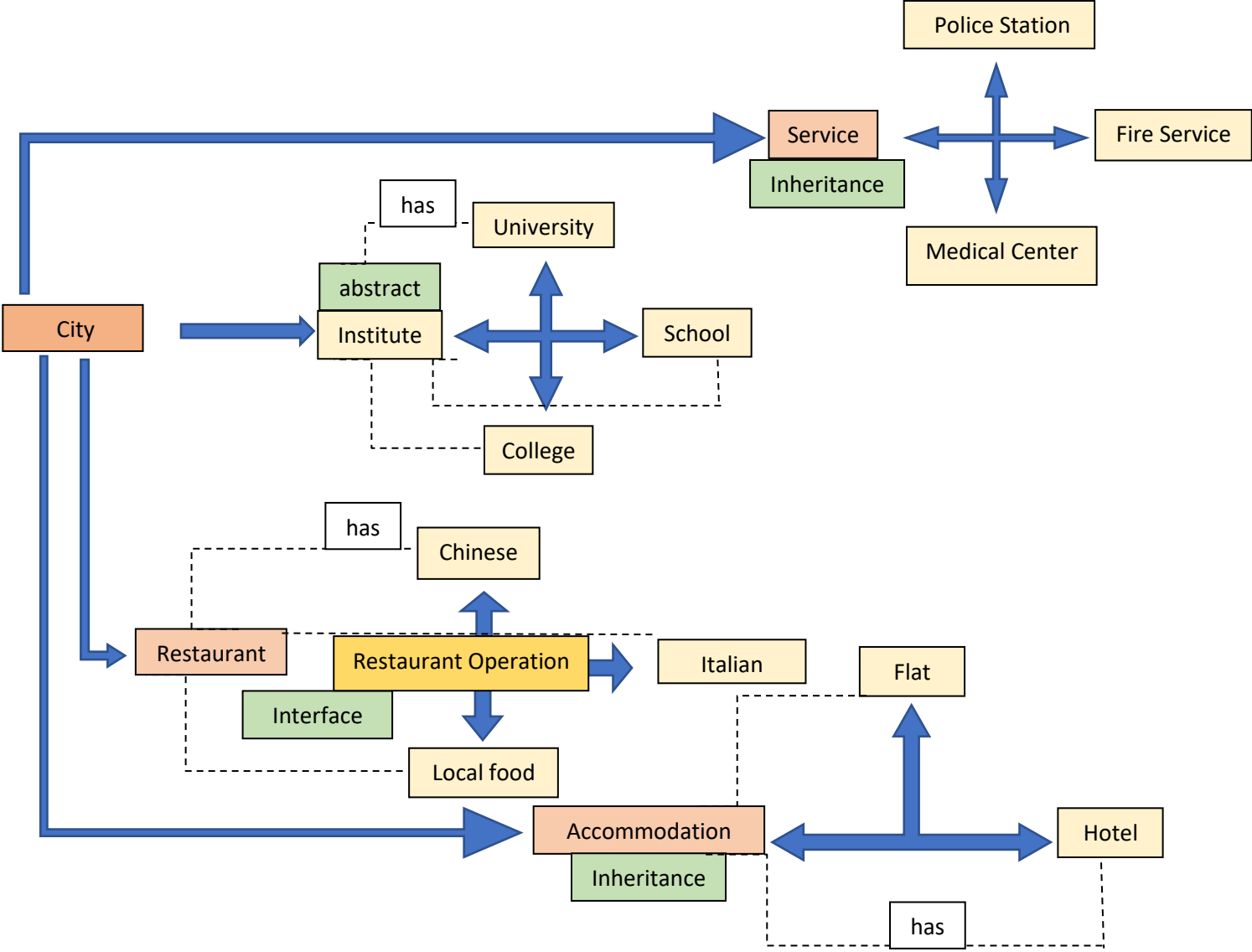


Project Outline



Institute Operation
String instituteName; String instituteLocation; double PassingRate;
setInstituteName(String instituteName) setInstituteLocation(String instituteLocation) setPassingRate(double PassingRate)
String getInstituteName() String getInstituteLocation() double getPassingRate()

Italian Restaurant
void showInfo()

Restaurant Operation
void setRName(String Rname); void setRID(String Rid); void setRLocation(String Rlocation);
String getRName(); String getRID(); String getRLocation();

Local Restaurant
void showInfo()

Restaurant
boolean insertChineseRestaurant(ChineseRestaurant cr) boolean insertItalianRestaurant(ItalianRestaurant ir) boolean insertLocalRestaurant(LocalRestaurant lr)
boolean removeChineseRestaurant(ChineseRestaurant cr) boolean removeItalianRestaurant(ItalianRestaurant ir) boolean removeLocalRestaurant(LocalRestaurant lr)
ChineseRestaurant searchChineseRestaurant(String rid) ItalianRestaurant searchItalianRestaurant(String rid) LocalRestaurant searchLocalRestaurant(String rid)
void showAllChineseRestaurant() void showAllItalianRestaurant() void showAllLocalRestaurant()

Chinese Restaurant
String Rname; String Rid; String Rlocation;
void setRName(String Rname); void setRID(String Rid); void setRLocation(String Rlocation);
String getRName(); String getRID(); String getRLocation();
void showInfo()

AccommodationOperator
private String Aname; private double Asize; private double Arent; private String Alocation;
void setAName(String Aname) void setASize(double Asize) void setARent(double Arent) void setALocation(String Alocation) String getAName() double getASize() double getARent() String getALocation()

Accommodation
Flat flats[]=new Flat[100]; Hotel hotels[]=new Hotel[100]; public boolean insertFlat(Flat f) public boolean insertHotel(Hotel h) public Hotel searchHotel(String rid)

Flat
public Flat() public Flat(String Aname,double Asize,double Arent,String Alocation)

Hotel
public Hotel() public Hotel(String Aname,double Asize,double Arent,String Alocation)

University

String universityName;
String universityLocation;
double getingJobRate;

void setUniversityName(String universityName)
void setUniversityLocation(String
univesityLocation)
void setGetingJobRate(double getingJobRate)

String getUniversityName()
String getUniversityLocation()
double getGetingJobRate()

void instituteInformation()

College

String collegName;
String collegeLocation;
double universityChanceRate;

void setCollegName(String collegName)
void setCollegeLocation(String collegeLocation)
void setUniversityChanceRate(double universtyChanceRate)

String getCollegName()
String getCollegeLocation()
double getUniversityChanceRate()

void instituteInformation()

Institute

boolean insertSchool(School s)
boolean insertCollege(College s)
boolean insertUniversity(University s)

School searchSchool(String ri)
College searchCollege(String ri)
University searchUniversity (String ri)

void showAllSchool()
void showAllCollege()
void showAllUniversity()

School

String schoolName;
String schoolLocation;
double schoolpassingRate;

void setSchoolName(String schoolName)
void setSchoolLocation(String schoolLocation)
void setSchoolPassingRate(double schoolpassingRate)
String getSchoolName()
String getSchoolLocation()
double getSchoolpassingRate()
void instituteInformation()

Medical
protected String location; protected String contract; protected int bed; protected String name; protected String mid; protected String hname; protected String hlocation; protected int availableBeds; protected int totalbed;
void setTotalbed(int totalbed) setAvailableBeds(int availableBeds) void setHname(String hname) void setHlocation(String hlocation) void setLocation(String loc) void setName(String name) void setid(String mid) String getLocation() String getmid() String getName() String getHname() String getHlocation() int getTotalbed() int getAvailableBeds()

FireBrigade
protected String location; protected String id;
void setLocation (String location) void setid(String id) String getLocation() String getid()

PoliceStation
protected String location; protected String contract; protected String id;
void setLocation(String location) void setid(String id) String getLocation() String getid()

Service
protected Medical medical[]=new Medical[50]; protected FireBrigade fireBrigade[]=new FireBrigade[50]; protected PoliceStationpoliceStation[]=newPoliceStation[50]; protected String name; protected int id;
addFireBrigade(FireBrigade f) removeFireBrigade(FireBrigade f1) searchFireBrigade(String id) void showAllFireBrigade() addMedical(Medical md1) searchMedical(String name) removeMedical(Medical md) void showAllMedical() addPoliceStation(PoliceStation p) removePoliceStation(PoliceStation p1) searchPoliceStation(String id) void showAllPoliceStation()

Main

The Start class contains the main method. Inside the main method the application prompts the user to choose among the following options:

1.ADMIN

2. GUEST

3. Exit

Option For ADMIN:

1. Restaurant
2. Accommodation
3. Institute
4. Service
5. Exit

Options for Restaurant:

1. Chinese Restaurant
2. Italian Restaurant
3. Local Restaurant
4. Exit from Restaurant
5. Exit from Smart City

Options for Chinese Restaurant:

1. Insert Chinese Restaurant
2. Remove Chinese Restaurant
3. Show All Chinese Restaurants
4. Show All Inserted Chinese Restaurants
5. Exit from Chinese Restaurant
6. Go to Main Menu
7. Exit from Smart City

Options for Italian Restaurant:

1. Insert Italian Restaurant
2. Remove Italian Restaurants
3. Search Italian Restaurants
4. Show All Inserted Italian Restaurants
5. Exit from Italian Restaurant
6. Go to Main Menu.
7. Exit from Smart City

Options for Local Restaurant:

1. Insert Local Restaurant
2. Remove Local Restaurants
3. Search Local Restaurants
4. Show All Inserted Local Restaurants
5. Exit From Local Restaurants
6. Go To Main Menu
7. Exit From Smart City

Options for Accommodation:

1. Flat
2. Hotel
3. Exit From Accommodation

Options for Flat:

1. Insert Flat
2. Search Flat
3. Show All Inserted Flat
4. From Smart City

Options for Hotel:

1. Insert Hotel
2. Search Hotel
3. Show All Inserted Hotel
4. From Smart City
5. Exit

Options for Institute:

1. School
2. College
3. University

Options for School:

1. Insert School
2. Search School
3. Show All School

Options for College:

1. Insert College
2. Search College
3. Show All College

Options for University:

1. Insert University
2. Search University
3. Show All University

Options for Service:

1. Fire Brigade
2. Medical
3. Police Station
4. Exit

Options for Fire Brigade:

1. Insert a Fire Brigade
2. Remove Fire Brigade
3. Show all Fire Brigade
4. Search Fire Brigade
5. Exit

Options for Medical:

1. Insert a Medical
2. Remove Medical
3. Show all Medical
4. Search Medical

Options for Police Station:

1. Insert a Police Station
2. Remove Police Station
3. Show all Police Station
4. Search Station
5. Exit

Option For GUEST:

1. Restaurant
2. Accommodation
3. Institute
4. Service
5. Exit

Options for Restaurant:

1. Chinese Restaurant
2. Italian Restaurant
3. Local Restaurant
4. Exit from Restaurant
5. Exit from Smart City

Options for Chinese Restaurant:

1. Show All Chinese Restaurants
2. Show All Inserted Chinese Restaurants
3. Exit from Chinese Restaurant
4. Go to Main Menu
5. Exit from Smart City

Options for Italian Restaurant:

1. Search Italian Restaurants
2. Show All Inserted Italian Restaurants
3. Exit from Italian Restaurant
4. Go to Main Menu.
5. Exit from Smart City

Options for Local Restaurant:

1. Search Local Restaurants
2. Show All Inserted Local Restaurants
3. Exit From Local Restaurants
4. Go To Main Menu
5. Exit From Smart City

Options for Accommodation:

1. Flat
2. Hotel
3. Exit From Accommodation

Options for Flat:

1. Search Flat
2. Show All Inserted Flat
3. From Smart City

Options for Hotel:

1. Search Hotel
2. Show All Inserted Hotel
3. From Smart City
4. Exit

Options for Institute:

1. School
2. College
3. University

Options for School:

1. Search School
2. Show All School

Options for College:

1. Search College
2. Show All College

Options for University:

1. Search University
2. Show All University

Options for Service:

1. Fire Brigade

2. Medical

3. Police Station

4. Exit

Options for Fire Brigade:

1. Show all Fire Brigade

2. Search Fire Brigade

Options for Medical:

1. Show all Medical

2. Search Medical

Options for Police Station:

1. Show all Police Station

2. Search Station

3. Exit

