Haazir (Service Providing System)
Ahmed Haseeb – B19102010
Muhammad Umar Anzar – B19102104
Muhammad Anas Rashid – B19102068

GUI Owner Window
-database : DatabaseConnection
+OwnerWindow(DatabaseConnection database)

GUI User Windows
-database : DatabaseConnection
+UserWindow(DatabaseConnection database)

GUI GoogleMap
database : DatabaseConnection
-mapWindow : JFrame
-engineLink : WebEngine
-address : String
-link : String = https://www.google.com/maps/
+GoogleMap()
+GoogleMap(DatabaseConnection database)
+showServiceArea() : void
+setPinLocation() : void
-sliceLink() : void
+getLink() : String
+getAddress() : String
+updateAddress() : void

Animations
+windowAppearAnimation(javax.swing.JFrame window, float opty) : void
+windowCloseAnimation(javax.swing.JFrame window, float opty) : void
+windowExitAnimation(javax.swing.JFrame window, float opty) : void
+panelAppearAnimation(javax.swing.JPanel panel, int width, int height):void
+panelCloseAnimation(javax.swing.JPanel panel, int width, int height) : void

DatabaseConnection
-connection : Connection = null
-FinalDb : ResultSet = null
-pst : PreparedStatement = nul
-st : Statement = nulll
+currentUser : User
+owner : Owner
+worker : Worker
-isElectrician : boolean = false
-isLabour : boolean = false
-isEventManager : boolean = false
-isMechanic : boolean = false
-isPlumber : boolean = false
+DatabaseConnection()
-ConnectingDataBase() : void
-connectionOn() : void
-connectionOff() : void
+EXIST(String Username) : boolean
+LOGIN(String name , String password) : boolean
+UPDATE_USER() : void
+INSERT_USER() : void
+UPDATE_WORKER(Worker w) : void
+INSERT_WORKER(JTable table) : void
+UPDATE_OWNER() : void
+DELETE_WORKER(JTable table) : void
+GET_WORKER_BY_ID(int id) : void
+UpdateWorkerTable(JTable table) : void
+GET_SINGLE_WORKER_BY_PROFESSION() : boolean
-settingWorkerInGetWorkerById() : void
+UPDATE_HIRE_STATUS(JTable table) : void
+PAY_WORKER(JTable table, JTextField textField) : void
+refreshingOwnerTotalField(JTextField textField) : void
+setAllWorkers(boolean electrician, boolean mechanic, boolean plumber, boolean eventManager, boolean labour) : void

Labour
+Labour(name, cnic, contactNumber, experience, dateofbirth)
+toString() : String

Worker
-id : int
-EXPERIENCE : int {readOnly}
-CNIC : String {readOnly}
-available : boolean = true
-hireStatus : boolean = false
-payPercentage : double = 0.7
-rating : double = 0
-pocket : double = 0
-paidTotal : double = 0
+Worker(name, String cnic, contactNumber, int experience, dateofbirth)
+setHireStatus(boolean hireStatus) : void
+setHireStatus(String hireStatus) : void
+setPayPercentage(double payPercentage) : void
+setRating(double rating) : void
+setAvailable(boolean available) : void
+setAvailable(String available) : void
+setPaidTotal(double paidTotal) : void
+setPocket(double pocket) : void
+setId(int id) : void
+getProfession() : String
+getCnic() : String
+getPocket() : double
+getPaidTotal() : double
+getId() : int
+getExperience() : int
+getAvailable() : String
+isAvailable() : boolean
+isHireStatus() : boolean
+getHireStatus() : String
+getPayPercentage() : double
+getRating() : double
+giveRating(double r) : void
+pay() : double
+toString() : String

Plumber
+Plumber(name, cnic, contactNumber, experience, dateofbirth)
+toString() : String

Electrician
+Electrician(name, cnic, contactNumber, experience, dateofbirth)
+toString() : String

Mechanic
-PAYPERCENTAGE : double = 0.75 {readOnly}
+Mechanic(name, cnic, contactNumber, experience, dateofbirth)
+toString() : String

Event Manager
-PAYPERCENTAGE : double = 0.9 {readOnly}
+Event Manager(name, cnic, contactNumber, experience, dateofbirth)
+toString() : String

Person
-name :String
-contactNumber : String
-address : Address
-date : Date
-addressLink : String = null
+Person(String name, String contactNumber, Date dateOfBirth)
+getName() :String
+getContactNumber() :String
+setContactNumber(String contactNumber) : void
+setAddressLink(String addressLink) : void
+getAddressLink() : String
+getDate() : String
+getAddress() : String
+setAddress(String address) : void
+toString() : String

Accounts
-password : String
+Account(name, String password, contactNumber, dateOfBirth)
+getPassword() : String
+setPassword(String password) : void
+toString() : String

User
-orderStatus : boolean = false
-cost : double = 0.0
+hiredWorker : Worker
+User(name, password, contactNumber, dateOfBirth)
+getOrderStatus() : String
+isOrderStatus() : boolean
+setOrderStatus(String orderStatus) : void
+setCost(double cost) : void
+getCost() : double
+getAddress() : String
+giveTip(Worker worker, double tip) : void
+toString() : String

Owner
-totalAmount : double = 0.0
+Owner(name, password, contactNumber, dateOfBirth)
+getTotalAmount() : double
+setTotalAmount(double totalAmount) : void
+toString() : String