Haazir (Service Providing System) Ahmed Haseeb - B19102010 Muhammad Umar Anzar - B19102104 Muhammad Anas Rashid - B19102068 **GUI Owner Window GUI User Window** GUI GoogleMap -dataBase: DataBase database: DatabaseConnection database: DatabaseConnection +OwnerWindow(DatabaseConnection -database) -UserWindow(DataBase Connection dataBase) -<u>mapWindow : JFrame</u> -engineLink: WebEngine -address : String -link : String = https://www.google.com/ DatabaseConnection maps/ +GoogleMap() -connection : Connection = null +GoogleMap(DatabaseConnection database) -FinalDb : ResultSet = null +showServiceArea(): void -pst : PreparedStatement = nul +setPinLocation(): void Animations -st : Statement = null -sliceLink() : void +currentUser: User +getLink(): String +owner: Owner +getAddress(): String +windowAppearAnimation(javax.swing.JFrame +worker: Worker +updateAddress(): void window, float opty): void -isElectrician : boolean = false +windowCloseAnimation(javax.swing.JFrame -isLabour : boolean = false window, float opty): void -isEventManager : boolean = false +windowExitAnimation(javax.swing.JFrame -isMechanic : boolean = false window, float opty): void -isPlumber : boolean = false <u>+panelAppearAnimation(javax.swing.JPanel</u> +DatabaseConnection() panel, int width, int height):void -ConnectingDataBase(): void +panelCloseAnimation(javax.swing.JPanel panel, -connectionOn(): void int width, int height): 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 Labour -settingWorkerInGetWorkerById(): void +UPDATE_HIRE_STATUS(JTable table): void +PAY_WORKER(JTable table, JTextField textField): void +Labour(name, cnic, contactNumber, +refreshingOwnerTotalField(JTextField textField): void experience, dateofbirth) User +setAllWorkers(boolean electrician, boolean mechanic, boolean +toString(): String plumber, boolean eventManager, boolean labour): void -orderStatus : boolean = false -cost:double = 0.0Worker +hiredWorker : Worker +User(name, password, contactNumber, -EXPERIENCE : int {readOnly} dateOfBirth) Plumber -CNIC : String {readOnly} +getOrderStatus(): String -available : boolean = true +isOrderStatus(): boolean -hireStatus: boolean = false +setOrderStatus(String orderStatus): +Plumber(name, cnic, contactNumber, -payPercentage : double = 0.7 experience, dateofbirth) -rating : double = 0 +setCost(double cost): void +getCost(): double -pocket : double = 0 Person -paidTotal : double = 0 +getAddress() : String +giveTip(Worker worker, double tip): -name :String +Worker(name, String cnic, contactNumber, int -contactNumber : String experience, dateofbirth) -address : Address +toString(): String +setHireStatus(boolean hireStatus): void Electrician Accounts -date : Date +setHireStatus(String hireStatus): void -addressLink : String = null +setPayPercentage(double payPercentage): void -password: String +Person(String name, String +setRating(double rating): void +Account(name, String password, +Electrician(name, cnic, contactNumber, contactNumber, Date dateOfBirth) +setAvailable(boolean available): void contactNumber, dateOfBirth) experience, dateofbirth) +setAvailable(String available): void +getName():String +getPassword() : String +toString(): String +setPaidTotal(double paidTotal): void +getContactNumber():String +setPassword(String password): void +setPocket(double pocket): void +setContactNumber(String +toString(): String +setId(int id) : void contactNumber): void +getProfession(): String +setAddressLink(String addressLink): void +getAddressLink(): String +getCnic(): String Mechanic +getPocket() : double +getDate(): String Owner +getPaidTotal(): double +getAddress(): String -PAYPERCENTAGE : double = 0.75 {readOnly} +setAddress(String address): void +getId(): int -totalAmount : double = 0.0 +Mechanic(name, cnic, contactNumber, +getExperience(): int +toString(): String +Owner(name, password, experience, dateofbirth) +getAvailable() : String contactNumber, dateOfBirth) +toString(): String +isAvailable(): boolean +getTotalAmount(): double +isHireStatus(): boolean +setTotalAmount(double +getHireStatus(): String totalAmount): void +getPayPercentage(): double +toString() : String +getRating(): double **Event Manager** +giveRating(double r): void +pay(): double

-PAYPERCENTAGE : double = 0.9 {readOnly}

contactNumber, experience, dateofbirth)

+Event Manager(name, cnic,

+toString(): String

→ +toString(): String