

# Τελική Εργασία στα Προηγμένα Θέματα Προγραμματισμού

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## CLIENT SIDE:

Class "LicencePlate":

- GetStartingText(), when the label first loads
- UpdateLicensePlateLabel(), updates the label
- AddCharInLicensePlateArray(String value), stores the value into an array depending on a condition

Class "Sender":

- EstablishConnection()
- SendData(String licencePlate,String cost,String vehiclekind,ArrayList<String> services), sends the data from the Client to the Server
- CloseConnection()

Class "DirectoryServices":

- DirectoryServices(Label licensePlateLabel), for the services popup dialog

Class "MyServicesHandler":

- EnableDisableButtonsFlag(), flag enable or disable the OK/Cancel buttons based on whether services have been selected
- disablingServicesCl(Boolean selectedRadioBoolean, int[] disableArray), disabling buttons for CombinationImposing
- CombinationImposing(ArrayList<RadioButton> selectedservices),
- disablingServices (Boolean selectedRadioBoolean, int[] disableArray, RadioButton selectedRadioButton), disabling buttons for the handle method
- disablingServicesMotor(Boolean selectedRadioBoolean, int[] disableArray, int[] disableArrayMotor, RadioButton selectedRadioButton, String vehicleKind), disabling buttons for the handle method (for the services that are available for Motorcycles

Class "VehicleInfo":

- GetVehicleKind()
- GetCurrentDateTime()
- GetLicensePlateLabel()
- GetCalculatecosLabel()
- GetServices()
- SetcurrentDateTime()

## SERVER SIDE:

Class "CurrentDateTime":

- GetCurrentDateTime()

Class "IncomeBook":

- GetLicensePlate()
- GetCost()
- GetArrivalTime()
- GetLicensePlatePropert()
- GetTimeProperty()
- CreateFile(), creates the txt file in which the database will be stored
- CreateSecondFile(), creates another txt file to make the removing/changing process of elements easier
- AddToFile(String content)
- AddToSecondFile(String newData)
- AddToDatabase()
- searchDataBase(String timeToCheck), searches through the databse to find the line with the desired timestamp
- moveToSecondFile(String lineToExclude), moves every line from the first to the second file except the line that will be changed
- moveToFirstFile()
- deleteAllContentSecondFile()
- getPrice(String service, String vehiclekind), get the cost of each service

Class "InfoPopup":

- InfoPopup(IncomeBook vehicleInfo, String licencePlate, String vehiclekind, String services, String cost, String time), to create the poup when you print the receipt

Class "Server":

- start(Stage stage)
- startServer(tableViewCreation tableView)
- handleClient(Socket clientSocket, tableViewCreation tableView), handle the communication with the Client

Class "tableViewCreation":

- CreateTableView()
- addVehicleInfo(String licencePlate, String cost, String currentTime)
- GetTableView()

Class "VehicleInfo":

- GetPlate()
- GetCost()
- GetTime()

Data Structures:

private Map<Integer, String> services = new HashMap<>(), create a HashMap to store services with hash-code/key