

classDiagram

%% Relationships %%

EmployeeFactory --> Employee

EmployeeFactory --> Time

EmployeeFactory --> Notification

Employee --> Staff

Employee --> Delivery

Time *-- DisplayTime

Time *-- ConvertTime

Notification --> StaffNotification

Notification --> DeliveryNotification

Notification --> SystemNotification

namespace Base_Classes {

```
class EmployeeFactory {
    createEmployee(type: String, object: Object)
    createTime(type: String, object: Object)
    createNotification(type: String, object: Object)
}
```

```
class Employee {
    name: String
    surname: String
}
```

```
class Notification {
    container: DOM element
    id: String
    name: String
    surname: String
    message: String

    content(): String
    Notify(): void
}
```

```
class Time {
    dateObject: Object
    display: DisplayTime
    convert: ConvertTime

    addTime(minutes: Number): String
    isLate(value: String): Boolean
    isLateBy(value: String): Number
}
```

}

```

namespace Employee_Subclasses {

    class Staff {
        picture: String
        email: String
        status: String
        outTime: String
        duration: String
        expectedRTIME: String

        get id(): String

        set out(JSObject: Object)
        set in(value: any)
        staffMemberIsLate(EMPLOYEES: Map): IntervalId
    }

    class Delivery {
        vehicle: String
        phone: String
        adress: String
        expectedRTIME: String

        get id(): String

        deliveryDriverIsLate(EMPLOYEES: Map): IntervalId
    }
}

namespace Notification_Subclasses {
    class StaffNotification {
        picture: String
        content(): String
    }

    class DeliveryNotification {
        phone: String
        adress: String
        return: String
        content(): String
    }

    class SystemNotification {
        content(): String
        Notify(): void
    }
}

namespace Time_Subclasses {

    class DisplayTime {

```

```
    get displayDateAndTime(): String
    get currentTimeInHours(): String
    get currentTimeInMins(): String

    displayTime(clockElement: DOM Element): void
}

class ConvertTime {
    convertHoursToMins(hourFormat: String): Number
    convertMinsToHours(minutes: Number): String
}
}
```