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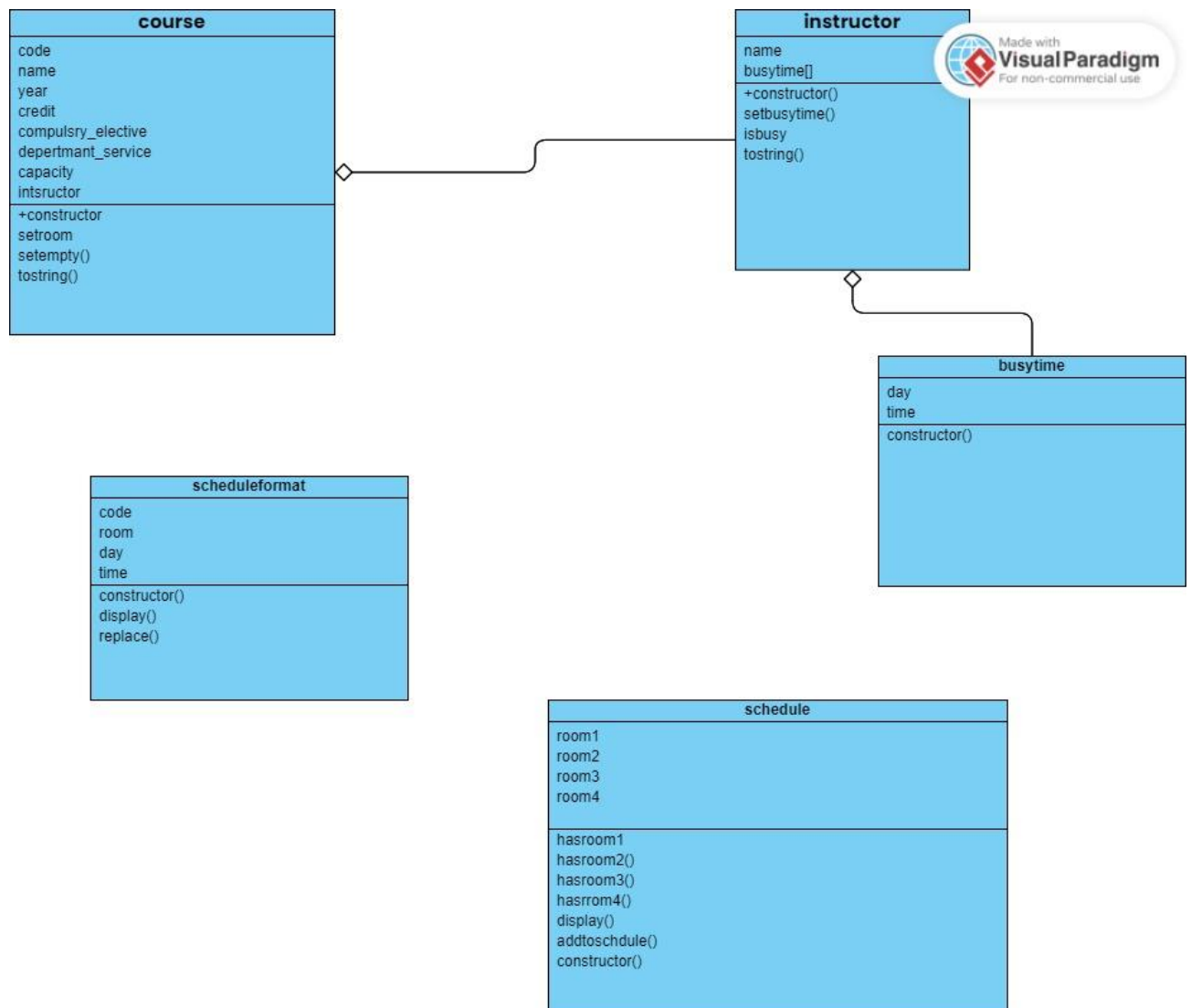
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1-Psueudocode

- 1) Firstly, 4 classes are defined: instructor schedule, schedule_format, busy_time.
- 2) Then, 4 csv file inputs are taken using the HTML input element.
- 3) Then, inputs are read with the reader object. course,instructor and schedule objects are created. These objects are then stored using the instructor_list, service_courses ,department_courses objects.
- 4) Then, the HasSameYear function is implemented. This function prevents the overlapping of courses in different years.
- 5) Department courses and schedule are taken as parameters with the makeSchedule function.
- 6) It is ensured that the courses are placed in the right places in the program by returning the nested for loop for each day and each time and checking them with the day and time the isBusy method obtained from the busy input with the help of if else.
- 7) If the isBusy and hasRoom methods return a false value, then the else condition is entered.
- 8) Then, the rooms are checked with the else condition and the modules are placed in their correct places with the addToSchedule method.
- 9) With the anyCourseLeft function, it is checked whether any course is left outside the schedule or not.
- 10) If there are any courses left, they are placed in the appropriate place using the placedCourseLeft function.
- 11) After that, if the user clicks the button the ok() function will be activated
- 12) The algorithm inside the ok function becomes activated.
- 13) Two empty lists named stack_left and stack_replaced are defined.
- 14) With the help of the flag variable, it is checked whether there is any foreign courses left. If the flag is false, the if-else query is made again.
- 15) If the flag is true, the lesson plan is prepared in the most appropriate way.
- 16) Even if a full course schedule couldn't been created, the nearest, most appropriate result is displayed.

2-Class Diagram



3-Screen Shots

3.1-

File Input Example x +

← → C Dosya | C:/Users/FRAT1453/Desktop/c/peyma/Ceng206_project1-master/ListSchedule.html

Courses: Dosya seçilmedi

Bus: Dosya seçilmedi

Classroom: Dosya seçilmedi

Service: Dosya seçilmedi

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3.2-

File Input Example x +

← → C Dosya | C:/Users/FRAT1453/Desktop/ceng206%20son%20hali/Ceng206_project1-master/ListSchedule.html

Day	Time	Room	Code
Monday	Morning	B503	MATH104
Monday	Morning	B403	CENG302
Monday	Morning	B403	CENG302
Monday	Morning	C408	CENG404
Monday	Afternoon	B503	MATH102
Monday	Afternoon	undefined	ENGR202
Monday	Afternoon	B403	CENG304
Monday	Afternoon	C408	CENG415
Tuesday	Morning	B403	CENG204
Tuesday	Morning	B503	CENG306
Tuesday	Morning	C408	CENG424
Tuesday	Afternoon	undefined	ENGR254
Tuesday	Afternoon	C408	CENG310
Tuesday	Afternoon	C408	CENG427
Wednesday	Morning	B503	TIT101
Wednesday	Morning	B503	CENG474
Wednesday	Morning	C408	CENG311
Wednesday	Afternoon	undefined	TDL102
Wednesday	Afternoon	C408	CENG342
Wednesday	Afternoon	C408	CENG428
Wednesday	Afternoon	B503	CENG206
Thursday	Morning	B403	CENG114
Thursday	Morning	C408	CENG431
Thursday	Afternoon	undefined	MATH106
Thursday	Afternoon	C408	CENG451
Friday	Morning	B503	PHYS102
Friday	Morning	C408	CENG462
Friday	Afternoon	C408	CENG465

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