

МИНИСТЕРСТВО НАУКИ И ВЫСШЕГО ОБРАЗОВАНИЯ
РОССИЙСКОЙ ФЕДЕРАЦИИ

федеральное государственное автономное
образовательное учреждение высшего образования
«Самарский национальный исследовательский университет
имени академика С.П. Королева»
(Самарский университет)

Институт информатики, математики и электроники
Факультет информатики
Кафедра суперкомпьютеров и общей информатики

Отчет по лабораторной работе № 5

Дисциплина: «Enterprise Systems Development (Методы проектирования и
поддержки требований к программному обеспечению)»

Тип предприятия: **Meeting App «TimeToMeet»**

Выполнил: Коршиков В. И.

Группа: 6133-010402D

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1 Assignment #5. Class diagram. Tasks

Objective: To study the basic features for creating and editing class diagrams

Tasks

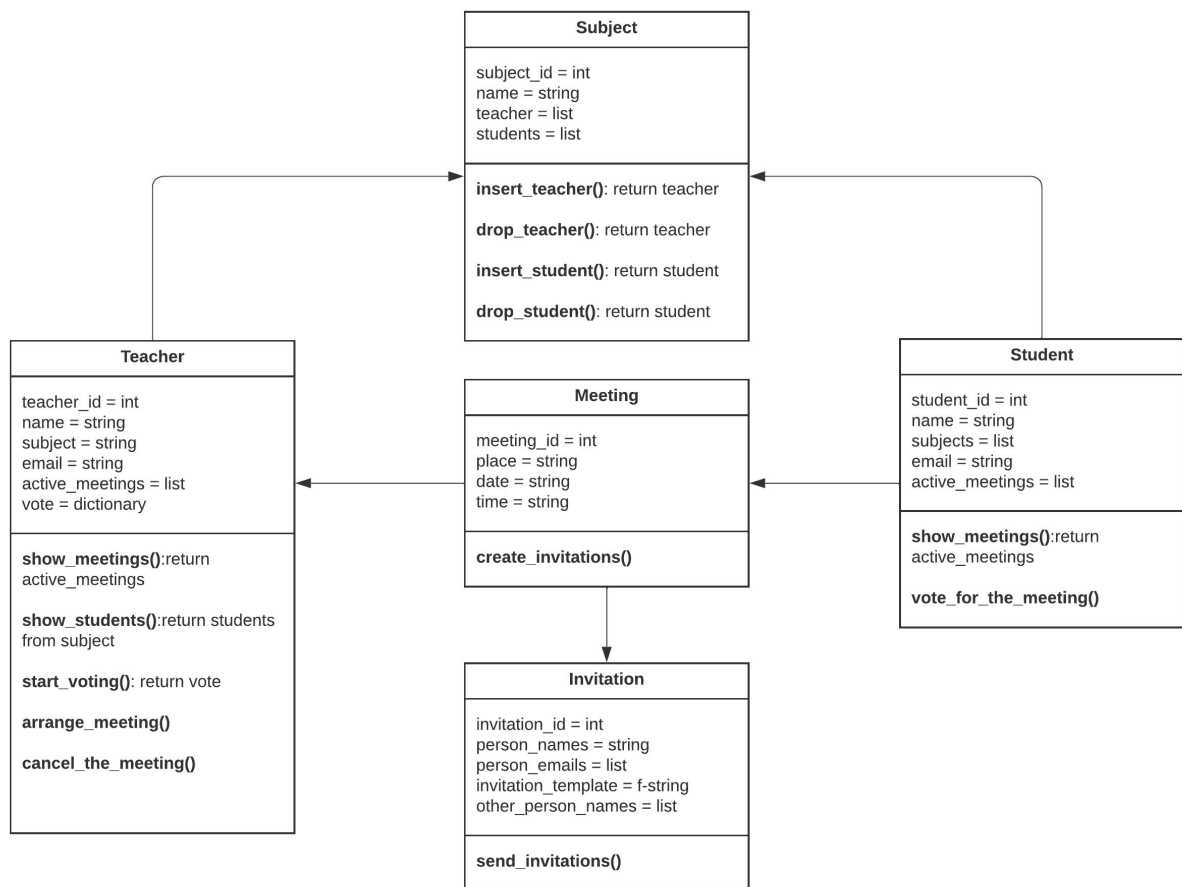
1. Study the possibility of describing the static structure of the information system. Learn how to allocate in the system of the basic classes and describe their properties and behavior. Create Class diagram. Describe at least 5 classes with relations.

2. Add Class diagram image to doc report.

3. Add table with comments:

Class name	Attributes/Methods	Data type/Comment about method assignment
Class1	Attribute1	Char[100]
	Method1	This method adds new list...
	...	

Assignment #5 Class diagram TimeToMeet



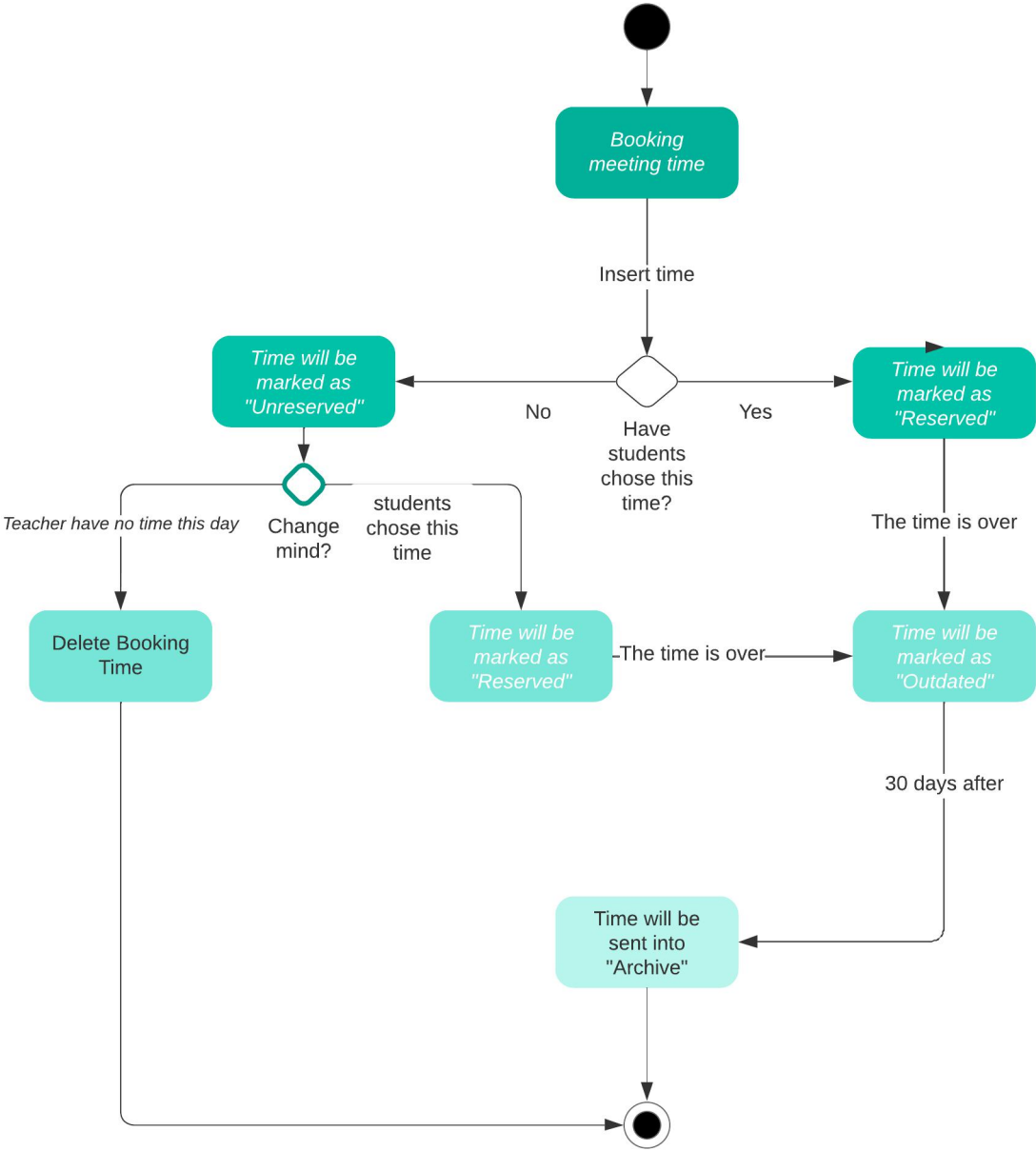
Assignment #5 Table with comments TimeToMeet

Class name	Attributes/Method	Data type/Comment
Teacher	teacher_id	int
	name	string
	subjects	list
	email	string
	active_meetings	list
	vote	dictionary
	show_meetings()	This method shows active meetings for teacher
	show_students()	This method shows students who are

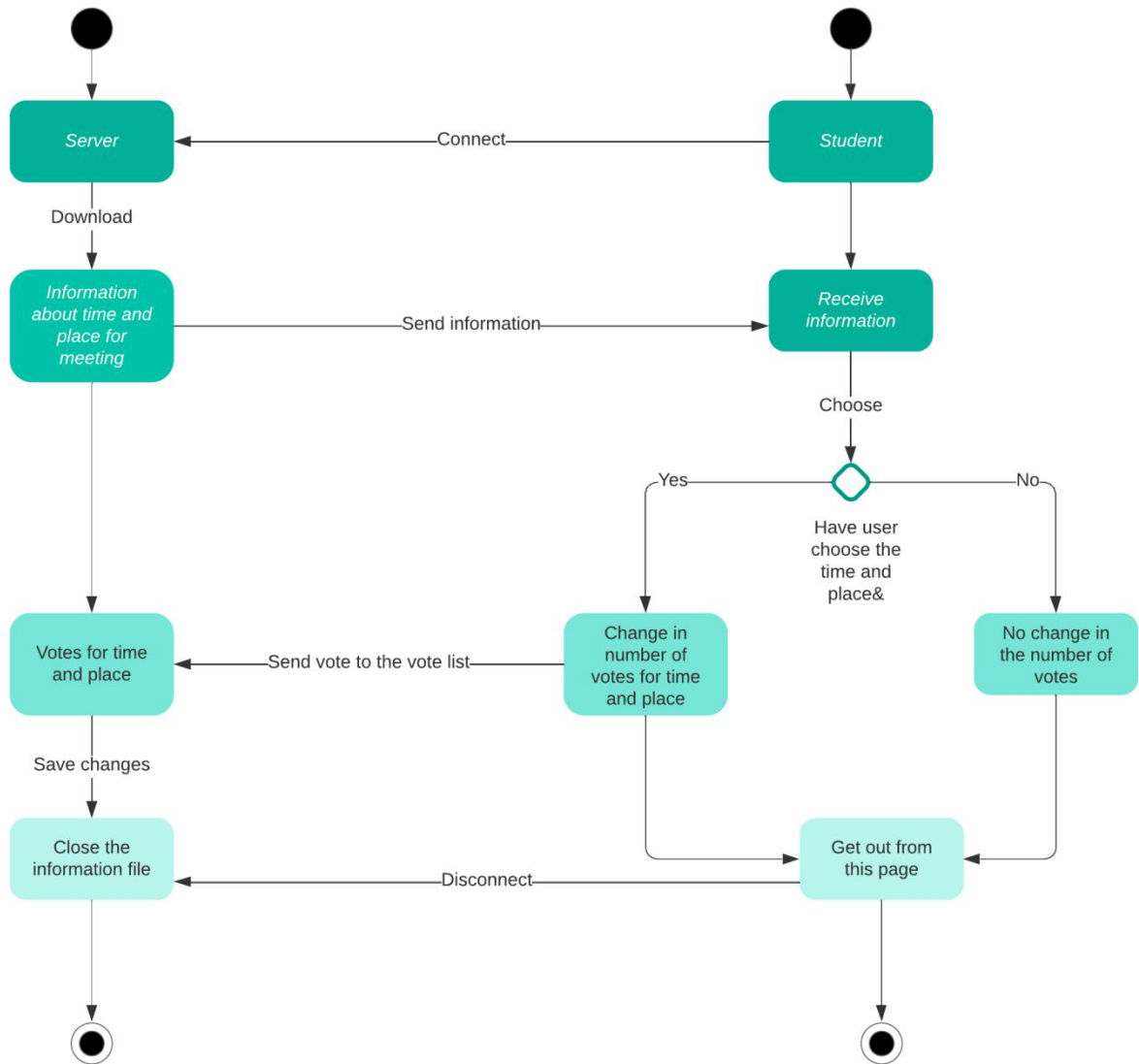
Class name	Attributes/Method	Data type/Comment
		subscribed for the subject
	start_voting()	This method let teachers start voting for the meeting
	arrange_meeting()	This method let teacher to arrange meeting
	cancel_the_meeting()	This method let teacher cancel the meeting
Meeting	Meeting_id	int
	place	string
	date	string
	time	string
	teacher	string
	create_invitation()	This method create invitations
Students	student_id	int
	name	string
	subjects	list
	active_meetings	list
	show_meetings()	This method shows active meetings for teacher
	vote_for_the_meeting()	This method let student vote for a meeting
Invitation	invitation_id	int
	persons_name	list

Class name	Attributes/Method	Data type/Comment
	persons_emails	list
	invitation_template	f-string
	other_persons_list	list
	send_invitations()	This method send invitations to emails on subject's list + other persons's list
Subject	subject_id	int
	name	string
	teacher	list
	students	list
	insert_teacher()	This method let subscribe teachers on subject
	drop_teacher()	This method let unsubscribe teachers on subject
	insert_student()	This method let subscribe students on subject
	drop_student()	This method let unsubscribe students on subject

Task №1: Sequence diagram: booking meeting time



Task №2: State diagram: Choosing time and place



Task 3: