

### Specification (100 points)

- The scenario begins when the user (e.g., lecturer or student) chooses "add a new appointment" in the User Interface (UI).
  - The user enters the necessary information regarding the appointment's name, location, start and end times.
  - The calendar records the new appointment in the user's list of appointments. If the user already had an appointment at that time, an error will be displayed.
  - The user can do the following actions - view, cancel and change a previous appointment. UI will show "View an Appointment", "Cancel an Appointment", and Change an Appointment". The user enters the necessary information regarding these actions.
1. Design a sequential diagram based on the specification above using *PlantUML* and improve a class diagram for specification 2 described in Project 1. You have to add classes and members (e.g., UI, Calendar, etc.) to the class diagram that you designed in Project 1. Thus, you have to design class (30 points) and sequence (70 points) diagrams. The class diagram must be based on what you designed in Project 1 (Its solution has been posted).
  2. Submit a file (DOC or PDF) including PlantUML scripts and diagrams for both class and sequence diagrams. (**DO NOT** take a screenshot showing scripts and diagrams together because its resolution is too low. Please download the image of your diagram. 0 will be given if you submit screenshots)
  3. Please do not use generative AIs for this project. The diagrams generated by ChatGPT or Bard are too brief and not appropriate.