Schedule Tool Instructions

Compilation

To use the Schedule Tool, you first need to compile the Java files. Follow these steps:

1. Open a terminal or command prompt.

2. Navigate to the folder where the Java files are saved.

3. Run the following command to compile all the files:

    - javac *.java

This command will compile all .java files in the current directory and create the necessary .class files.

Running the Program

After successful compilation, you can run the program. Follow these steps:

1. Stay in the same directory where the Java files are compiled.

2. Run the program using this command:

    - java Main

Once the program starts, it will guide you through the inputs required.

Features

The Schedule Tool provides the following features:

1. Add courses: Input details about courses, including their names and time slots.

2. Add non-course blocks: Reserve specific time slots for non-course activities (e.g., seminars or workshops).

3. View the schedule: Display the complete schedule for a group on the terminal.

4. Save the schedule: Automatically save the schedule to a text file with the group name.

User Interaction Example

Here's an example of how to use the tool, with step-by-step inputs and expected outputs:

Inputs

When you run the program, it will prompt you for information. Example inputs are shown below:

- Enter group name:
  CS Group

- How many courses would you like to add?
  2

- Details for Course 1:

    - Name: CS101

    - Timeslots: MW 9:00AM-10:30AM; F 2:00PM-3:00PM

- Details for Course 2:

    - Name: CS102

    - Timeslots: TTH 10:00AM-11:30AM

- How many non-course blocks would you like to add?
  1

- Details for Non-Course Block 1:

    - Name: Seminar

    - Timeslot: F 1:00PM-2:00PM

Outputs

Terminal Output

After entering the required inputs, the program will display the schedule on the terminal. Here's an example of what it will look like:

Schedule for group: CS Group

- Monday:
  Course: CS101 | MW 9:00AM-10:30AM

- Tuesday:
  Course: CS102 | TTH 10:00AM-11:30AM

- Wednesday:
  Course: CS101 | MW 9:00AM-10:30AM

- Thursday:
  Course: CS102 | TTH 10:00AM-11:30AM

- Friday:
  Block: Seminar | F 1:00PM-2:00PM
  Course: CS101 | F 2:00PM-3:00PM

Schedule saved to CS_Group_schedule.txt

Text File Output

The program will also save the schedule to a text file named after the group. For the above example, the file would be named: CS_Group_schedule.txt. (Name could change but it would still be a ".txt" file)

Contents of the Text File:

Schedule for group: CS Group

- Monday:
  Course: CS101 | MW 9:00AM-10:30AM

- Tuesday:
  Course: CS102 | TTH 10:00AM-11:30AM

- Wednesday:
  Course: CS101 | MW 9:00AM-10:30AM

- Thursday:
  Course: CS102 | TTH 10:00AM-11:30AM

- Friday:
  Block: Seminar | F 1:00PM-2:00PM
  Course: CS101 | F 2:00PM-3:00PM