**«Inspect Schedule » test cases**

**Test case 1 :**

* *Preconditions*: None
* *Initial state* : Homepage of the student information system
* *Test steps* :
* login with an account not registered as a member of the commission for schedules (CFS)
* *Expected state* : the “inspect schedule” button **should not** appear

**Test case 2 :**

* *Preconditions*: None
* *Initial state* : Homepage of the student information system
* *Test steps* :
* login with an account registered as a member of the commission for schedules (CFS)
* *Expected state* : the “inspect schedule” button **should** appear

**Test case 3 :**

* *Preconditions* : Logged in as a CFS member
* *Initial state* : Schedule tickets list is empty , the system contains 3 recommended courses of study for one semester, 3 teachers and 3 classrooms.
* *Test steps* :
* Add schedule tickets for course A on Monday (08:00-10:00) and Friday (14:00-15:00). Set the teacher to be T1
* Add schedule tickets for course B on Monday (10:00-12:00) and Tuesday (17:00-18:00). Set the teacher to be T2
* Add schedule tickets for course C on Thursday (12:00-14:00). Set the teacher to be T4.
* Press the “inspect schedule” button
* *Expected state* : You should get a message : “**There are no issues**”

**Test case 4 :**

* *Preconditions* : Logged in as a CFS member
* *Initial state* : Schedule tickets list is empty , the system contains 3 recommended courses of study for one semester, 3 teachers and 3 classrooms.
* *Test steps* :
* Add schedule tickets for course A on Monday (08:00-10:00) and Friday (14:00-15:00). Set the teacher to be T1 . Set the classroom to be C1
* Add schedule tickets for course B on Monday (9:00-10:00) and Tuesday (17:00-18:00). Set the teacher to be T2 . Set the classroom to be C1
* Add schedule tickets for course C on Thursday (12:00-14:00). Set the teacher to be T4. Set the classroom to be C3
* Press the “inspect schedule” button
* *Expected state* : You should get a message : “Course A **collides** with course B **in classroom C1** on Monday”

**Test case 5 :**

* *Preconditions* : Logged in as a CFS member
* *Initial state* : Schedule tickets list is empty , the system contains 3 recommended courses of study for one semester, 3 teachers and 3 classrooms.
* *Test steps* :
* Add schedule tickets for course A on Monday (08:00-10:00) and Friday (14:00-15:00). Set the teacher to be T1 . Set the classroom to be C1
* Add schedule tickets for course B on Monday (9:00-10:00) and Tuesday (17:00-18:00). Set the teacher to be T1 . Set the classroom to be C2
* Add schedule tickets for course C on Thursday (12:00-14:00). Set the teacher to be T4. Set the classroom to be C3
* Press the “inspect schedule” button
* *Expected state* : You should get a message : “Course A **collides** with course B **for teacher T1** on Monday ”

**Test case 6 :**

* *Preconditions* : Logged in as a CFS member
* *Initial state* : Schedule tickets list is empty , the system contains 3 recommended courses of study for one semester, 3 teachers and 3 classrooms.
* *Test steps* :
* Add schedule tickets for course A on Monday (08:00-10:00) and Friday (14:00-15:00). Set the teacher to be T1 . Set the classroom to be C1
* Add schedule tickets for course B on Monday (10:30-12:00) and Tuesday (17:00-18:00). Set the teacher to be T1 . Set the classroom to be C2
* Add schedule tickets for course C on Thursday (12:00-14:00). Set the teacher to be T4. Set the classroom to be C3
* Press the “inspect schedule” button
* *Expected state* : You should get a message : “Teacher T1 **cannot get** from Classroom C1 to Classroom C2 in time on Monday between 10:00 and 10:30”

**Test case 7 :**

* *Preconditions* : Logged in as a CFS member
* *Initial state* : Schedule tickets list is empty , the system contains 3 recommended courses of study for one semester, 3 teachers and 3 classrooms. Teacher T1 and T2 cannot teach a course simultaneously.
* *Test steps* :
* Add schedule tickets for course A on Monday (08:00-10:00) and Friday (14:00-15:00). Set the teacher to be T1 . Set the classroom to be C1
* Add schedule tickets for course A on Monday (8:30-11:00) and Tuesday (17:00-18:00). Set the teacher to be T2 . Set the classroom to be C1
* Add schedule tickets for course C on Thursday (12:00-14:00). Set the teacher to be T4. Set the classroom to be C3
* Press the “inspect schedule” button
* *Expected state* : You should get **a list** of messages :
* “Teacher T1 and Teacher T2 **cannot both** teach course A in classroom C1 on Monday between 8:00 and 10:00”
* “There is **no schedule ticket** for course B”

**Test case 7 :**

* *Preconditions* : Logged in as a CFS member
* *Initial state* : Schedule tickets list is empty , the system contains 3 recommended courses of study for one semester, 3 teachers and 3 classrooms. Teacher T1 and T2 cannot teach a course simultaneously.
* *Test steps* :
* Add schedule tickets for course A on Monday (08:00-10:00) and Friday (14:00-15:00). Set the teacher to be T1 . Set the classroom to be C1
* Add schedule tickets for course A on Monday (8:30-11:00) and Tuesday (17:00-18:00). Set the teacher to be T2 . Set the classroom to be C1
* Add schedule tickets for course B on Thursday (12:00 -13:00) and Tuesday (17:00-18:00). Set the teacher to be T4 . Set the classroom to be C3
* Add schedule tickets for course C on Thursday (12:00-14:00). Set the teacher to be T4. Set the classroom to be C3
* Press the “inspect schedule” button
* *Expected state* : You should get a **list** of messages :
* “Teacher T1 and Teacher T2 cannot both teach course A in classroom C1 on Monday between 8:00 and 10:00”
* “Course B **collides** with course C **in classroom C3** on Thursday”