Observer

Meeting administrations

Objective

Use the observer pattern to notify the participants of a meeting when a detail about it is changed by an Administrator of the meeting.

Observer class

Class that can subscribe to a subject and contains an update function which is activated when the subject activates the notify function.

Subject class

Class that contains a subscribers list, it can attach and detach subscribers and activate their update function with the notify function.

Meeting

Subject implementation that contains an hour, title and date for the meeting as well as the subscriber list of the Subject class, it activates the notify function when any of their parameters are changed.

Participant

Observer implementation that contains information of a meeting, this information is updated when the meting is altered by an admin.

Admin

Observer implementation that in addition to the participant functions, it can alter the details of its meeting, activating the notify function of it.

Tests

1. Create a meeting a get its data.

2. Change the data of a meeting.

3. Get the data of the meeting of an admin.

4. Get the data of the meeting of a participant.

5. Create a meeting add participants and multiple admins, check if everyone updates the meeting information properly.

Coverage

ObserverTest (31 ago. 2024 19:11:21)

Element	Coverage	Covered Instru...	Missed Instruct...	Total Instructio...
∨ 🗁 Observer	▉ 87.7 %	544	76	620
∨ 📦 src	▉ 82.8 %	365	76	441
∨ ⊞ com.curso.v0	▉ 82.8 %	365	76	441
> 🗎 Admin.java	▉ 54.7 %	58	48	106
> 🗎 Participant.java	▉ 69.9 %	58	25	83
> 🗎 Principal.java	▉ 97.8 %	131	3	134
> 🗎 Meeting.java	▉ 100.0 %	72	0	72
> 🗎 Observer.java	100.0 %	6	0	6
> 🗎 Subject.java	▉ 100.0 %	40	0	40
> 📦 test	▉ 100.0 %	179	0	179