

Final Test

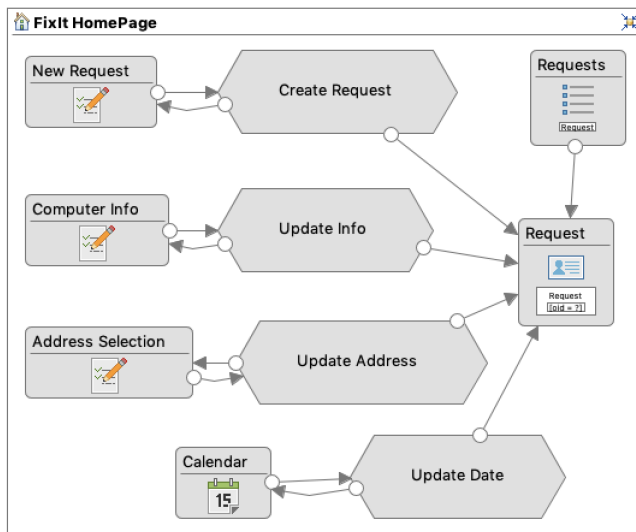
18 December 2018, 14h30

The test is closed book and has a maximum duration of 1h30m. Minimum 45 minutes in the room. There are 20 multiple choice questions and 2 open answer questions that should be answered in the provided answer sheets. Fill your answers clearly and identify every answer sheet with student number and test version. Correct multiple choice answers add .7 points, wrong answers decrement .175 points. Open answers are awarded 3 points. Do not unstaple the test.

Version: Open Questions

Consider the following Scenario of a Computer repair shop (FixIt) that needs to automatize its process of repair services. Your mission is to help organize and implement the user interface of their new application.

Consider the IFML Diagram containing the process accepting a repair request of user stories 1, 2, and 3.



Consider the following user stories:

1. Ted, as a registered user, wants to access the FixIt home page to create a new repair request
2. Ted, as a registered user, wants to access a created request to fill the details of a computer to be repaired
3. Ted, as a registered user, wants to access a created request to fill the pick-up location for the request
4. Ted, as a registered user, wants to access a completed request to submit it
5. Mary, as a technical manager, wants to access all open requests to review their detailed information
6. Mary, as a technical manager, wants to access all open requests to authorize the material pick up
7. Mary, as a technical manager, wants to access all arrived requests to assign it to a technician (create a ticket)
8. Mary, as a technical manager, wants to access all closed tickets to authorize the material delivery
9. John, as a technician, wants to access its assigned tickets to review their detailed information
10. John, as a technician, wants to access its assigned tickets to fill the repair information
11. John, as a technician, wants to access its assigned tickets to close the ticket

Q-A [3 points] This question is about IFML specification of client applications. **Produce one single IFML diagram that covers all user stories 5, 6, 7 and 8 above.** Use the answer sheet marked with **Q-A**.

Q-B [3 points] This question is about structuring and implementing a ReactJS component. Consider the IFML diagram above, covering user stories 1, 2, and 3. **Produce the structure of React components that accurately maps the IFML diagram.** Consider that the details of a repair request are the made and model of a device, a description of the malfunction, and a pick-up address. Use the answer sheet marked with **Q-B**.