

VU Scheduling Approaches in Distributed Systems.

Task 2 – "Modelling and Optimization using OpenDSE".

Student/Group:

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General Feedback:

Mostly solid solution with one error:

In the lines 150 - 155 of the TimingEvaluator, you are, after calculating the end time of a task, annotating its end time as the start time of its successors. Here, you have to check whether a start time is already annotated and then annotate the maximum of the two values. Furthermore, before calculating the end time of the successor, you have to check whether the end times of all of its predecessors has already been determined. Otherwise, you can get an error in cases where a task has multiple predecessors. I've added an annotation of the start and end times you are using for the tasks. If you examine the solutions produces throughout the exploration, you will see that there are cases where the last task, which has 2 predecessors, starts before one its predecessors is finished.

Code Feedback:

- Nice usage of the property services and the inter-evaluator communication via attribute annotation.
- In general, I would recommend to
 - Provide comments for the method head of each method (not only the public ones).
 - Use *protected* as the default visibility for methods and fields (*public* only if sth must be exposed, and *private* only if you explicitly want to prevent that children of this class access this method/field). In my experience, this provides a good trade-off between encapsulation and usability, in particular for testing.
- It is nice that you think about the assumptions which you can make about the input. It is very nice that you note these assumptions as a comment (line 97). It would be even nicer if you would perform a check for this assumption and throw an exception in cases where it is not satisfied (from personal experience: whenever you work with user-provided input, e.g., input files, you will get *all* kinds of stuff, no matter which assumptions *everybody* has agreed on ;)).

Best regards,

Fedor