

DOSE 2013 - Final Questionnaire

Please fill in the following questions as precisely and honestly as possible. Your answers support our research and improve future editions of the DOSE course.

Your answers will not impact the grading of the course. Completing the questionnaire should take about 10 minutes.

In case of questions contact Christian Estler.

* Required

General information

What is your Github user name used in the DOSE course? *

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Before participating in DOSE, how experienced were you as a programmer? *

Mark only one oval.

	1	2	3	4	5	6	7	
No experience	☐	☐	☐	☐	☐	☐	☐	Lots of experience

Before participating in DOSE, how much experience did you have in developing software in teams with at least 2 other people? *

Mark only one oval.

	1	2	3	4	5	6	7	
No experience	☐	☐	☐	☐	☐	☐	☐	Lots of experience

Before participating in DOSE, how much experience did you have in developing software in DISTRIBUTED teams with at least 2 other people? *

Mark only one oval.

	1	2	3	4	5	6	7	
No experience	☐	☐	☐	☐	☐	☐	☐	Lots of experience

Before participating in DOSE, how much experience did you have in using GIT as a version control system? *

Mark only one oval.

	1	2	3	4	5	6	7	
No experience	☐	☐	☐	☐	☐	☐	☐	Lots of experience

Conflicts & Git

The following questions ask about conflicts as they can occur with GIT when merging your changes with other students' changes.

How often did you experience conflicts during the DEVELOPMENT phase? *

Info: give your best estimate.

Mark only one oval.

- ☐ 0 times
- ☐ 1-4 times
- ☐ 5-9 times
- ☐ 10 or more times

On AVERAGE, how long did it take to resolve a merge conflict? *

Info: give your best estimate.

Mark only one oval.

- ☐ less than 1 minute
- ☐ about 1 - 5 minutes
- ☐ about 5 - 10 minutes
- ☐ about 10 - 20 minutes
- ☐ more than 20 minutes
- ☐ doesn't apply to me (I did not have conflicts)

In THE WORST case, how long did it take to resolve a merge conflict? *

Info: give your best estimate.

Mark only one oval.

- ☐ less than 1 minute
- ☐ about 1 - 5 minutes
- ☐ about 5 - 10 minutes
- ☐ about 10 - 20 minutes
- ☐ more than 20 minutes
- ☐ doesn't apply to me (did not have conflicts)

With whom did you have the most conflicts during the development phase? *

Info: did you have more conflicts with students from your team, or students from other teams?

Mark only one oval.

- ☐ Most conflicts occurred with my LOCAL TEAM
- ☐ Most conflicts occurred with my REMOTE TEAM
- ☐ Most conflicts occurred with OTHER GROUPS
- ☐ Doesn't apply to me (did not have conflicts)

Did conflicts lower your PRODUCTIVITY during the development phase?

Info: if you did not have merge conflicts, you don't need to answer this question.

Mark only one oval.

	1	2	3	4	5	6	7	
Not at all	☐	☐	☐	☐	☐	☐	☐	Very much

Did conflicts lower your MOTIVATION in working on the project during the development phase?

Info: if you did not have merge conflicts, you don't need to answer this question.

Mark only one oval.

	1	2	3	4	5	6	7	
Not at all	☐	☐	☐	☐	☐	☐	☐	Very much

Did conflicts complicate keeping with the SCHEDULE of your project during the development phase?

Info: if you did not have merge conflicts, you don't need to answer this question.

Mark only one oval.

	1	2	3	4	5	6	7	
Not at all	☐	☐	☐	☐	☐	☐	☐	Very much

DEVELOPMENT PHASE with your LOCAL TEAM

The following questions relate to your local team and its work during the development phase.

How often did MISSING DOCUMENTATION about features implemented by your LOCAL TEAM interrupt your programming workflow? *

Example: you wanted to use features that your local team developed but you were not sure how to do it. There was insufficient documentation available and that interrupted your programming workflow.

Mark only one oval.

	1	2	3	4	5	6	7	
Never	☐	☐	☐	☐	☐	☐	☐	Very often

How often did MISSING FUNCTIONALITY from your LOCAL TEAM interrupt your programming workflow? *

Example: your programming workflow was interrupted because some functionalities were not available yet. Someone on your local team did not implement or share the needed features with the rest of the team yet.

Mark only one oval.

	1	2	3	4	5	6	7	
Never	☐	☐	☐	☐	☐	☐	☐	Very often

How often did INCORRECT FUNCTIONALITY from your LOCAL TEAM interrupt your programming workflow? *

Example: the features you relied on from other local team members were available but they didn't work correctly. You had to fix them or had to wait for them to be fixed before you could continue your current programming work.

Mark only one oval.

	1	2	3	4	5	6	7	
Never	☐	☐	☐	☐	☐	☐	☐	Very often

What other events occurred that interrupted your programming workflow?

Info: you can list other events or reasons, related to your local team, that interrupted your programming workflow and don't fit into one of the three categories above.

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DEVELOPMENT PHASE with your REMOTE TEAMS

The following questions now relate to your REMOTE TEAMS and their work during the development phase.

How often did MISSING DOCUMENTATION about features implemented by your REMOTE TEAMS interrupted your programming workflow? *

Example: you wanted to use features that your remote teams developed but you were not sure how to do it. There was insufficient documentation available and that interrupted your programming workflow.

Mark only one oval.

	1	2	3	4	5	6	7	
Never	☐	☐	☐	☐	☐	☐	☐	Very often

How often did MISSING FUNCTIONALITY from your REMOTE TEAMS interrupt your programming workflow? *

Example: your programming workflow was interrupted because some functionalities were not available yet. Someone on a remote team did not implement or share the needed features with the rest of the team yet.

Mark only one oval.

	1	2	3	4	5	6	7	
Never	☐	☐	☐	☐	☐	☐	☐	Very often

How often did INCORRECT FUNCTIONALITY from your REMOTE TEAMS interrupt your programming workflow? *

Example: the features you relied on from other remote team members were available but they didn't work correctly. You had to fix them or had to wait for them to be fixed before you could continue your current programming work.

Mark only one oval.

	1	2	3	4	5	6	7	
Never	☐	☐	☐	☐	☐	☐	☐	Very often

What other events occurred that interrupted your programming workflow?

Info: you can list other events or reasons, related to your remote teams, that interrupted your programming workflow and don't fit into one of the three categories above.

Consequences of workflow-interruptions

The following questions ask about what you do when your programming workflow is interrupted because of missing or incorrect documentation and functionality.

Select 1 or 2 actions that you typically performed when you faced missing/incorrect documentation and functionality. *

Check all that apply.

- ☐ Check GIT repository to see if newer version of the code exists
- ☐ Contact the responsible person via EMAIL
- ☐ Contact the responsible person via SKYE
- ☐ Stop current work and move to a different task
- ☐ Other:

Did workflow interruptions lower your PRODUCTIVITY during the development phase? *

Mark only one oval.

	1	2	3	4	5	6	7	
Not at all	☐	☐	☐	☐	☐	☐	☐	Very much

Did workflow interruptions lower your MOTIVATION in working on the project during the development phase? *

Mark only one oval.

	1	2	3	4	5	6	7	
Not at all	☐	☐	☐	☐	☐	☐	☐	Very much

Did workflow interruptions complicate keeping with the SCHEDULE of your project during the development phase? *

Mark only one oval.

	1	2	3	4	5	6	7	
Not at all	☐	☐	☐	☐	☐	☐	☐	Very much

How to stay aware of other students' changes

The following questions ask how you stay aware of what other students are working and how this process could be improved.

Select the mechanisms that you found MOST HELPFUL to stay aware of what other student's are changing/working on. *

Check all that apply.

- ☐ Github notifications (e.g. sent via Email)
- ☐ The Git log (the repository history)
- ☐ Emails to using your group's mailing list
- ☐ Other:

Would it be HELPFUL to see what other students have changed already BEFORE THEY PUSH to the Git repository? *

Example: you can get access to the changes of others at any time, without them having to commit and push first.

Mark only one oval.

	1	2	3	4	5	6	7	
Not at all	☐	☐	☐	☐	☐	☐	☐	Very much

Imagine you can get access to the code of other students (e.g. in a special EiffelStudio view) even BEFORE they PUSH to Github. Select at what STAGES you would like to see the code. *

Info: select all the options you consider helpful for staying aware

Check all that apply.

- ☐ In REAL-TIME (i.e. you can see others typing, like in Googledoc)
- ☐ After successful COMPILATION (i.e. you only see code that others have successfully compiled)
- ☐ After COMMIT (i.e. you only see code that others have already committed but not necessarily pushed yet)
- ☐ At the time of GIT-PUSH (i.e. as with regular Git use)
- ☐ Other:

What level of granularity would you prefer to know about the changes performed by others. *

Info: assume a system, e.g. a view in EiffelStudio, that can show you the changes of other students.

Check all that apply.

- ☐ Cluster / Folder level (i.e. you know if someone performed changes in that cluster)
- ☐ Class level (i.e. you know if someone changed a class, but not exactly what changed inside the class)
- ☐ Routine level (i.e. you know someone changed a routine, but not what exactly changed inside the routine)
- ☐ Full detail level (i.e. you know about all changes, every single change is shown)
- ☐ I prefer to work in isolation.

What level of granularity would you prefer to know about the changes performed by others. *

Info: assume a system, e.g. a view in EiffelStudio, that can show you the changes of other students.

Check all that apply.

- ☐ Cluster / Folder level (i.e. you know if someone performed changes in that cluster)
- ☐ Class level (i.e. you know if someone changed a class, but not exactly what changed inside the class)
- ☐ Routine level (i.e. you know someone changed a routine, but not what exactly changed inside the routine)
- ☐ Full detail level (i.e. you know about all changes, every single change is shown)
- ☐ I prefer to work in isolation.

Learning experience

The following questions ask about learning experience with the DOSE course.

Do you consider the DOSE course a useful learning experience? *

Mark only one oval.

	1	2	3	4	5	6	7	
Not at all	☐	☐	☐	☐	☐	☐	☐	Very much

Would you recommend the DOSE course to other students? *

Mark only one oval.

	1	2	3	4	5	6	7	
Not at all	☐	☐	☐	☐	☐	☐	☐	Very much

Feedback, comments and suggestions that can help us improve the DOSE course?

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