



Survey on Code Smells

PreTest - Questionnaire

Part 1 - Cover & Consent Information Letter

Q1.1 Cover Letter

Dear code smells researcher:

As a code smells researcher, we believe the following initiative will be of your interest. In the scope of PhD research work, we performed a Systematic Literature Review (SLR) on code smells detection and visualization. As a noticeable researcher in the area of Code Smells Detection, as recognized in our SLR, we would like you to express your objective assessment in its findings before publication, which we plan to happen soon.

We will sincerely appreciate if you accept participating in this online survey, since your opinion is of utmost importance to validity of our conclusions and fine-tune our research strategy accordingly. In recognition for your effort (it will take around 10m) we will provide free first-hand access to our SLR to all respondents that fully complete the survey.

There are no wrong or right answers. We are just looking for honest answers that match your perception of reality as close and fairly as possible. For anonymity sake, no names or identification of respondents will appear in the PhD dissertation or anywhere else.

We truly appreciate your cooperation and personally thank you for your time and assistance in this matter. If you have any questions, please feel free to contact us.

Yours sincerely,				

Q1.2 Consent Information Letter

Purpose

This study attempts to collect information to assess the conclusions of a Systematic Literature Review on the detection and visualization of code smells.

Participation Requirements

The questionnaire consists of 8 main questions and is expected not to take more than 10 minutes to complete.

Potential Risk/Discomfort

This survey has no risks associated with it. Moreover, you may withdraw at any time. You may also choose not to answer any question that you do not feel comfortable to answer or for which you are not sure of the answer.

Benefits

If you answer this survey until its completion, you will have first-hand access to the Systematic Literature Review that we have produced.

Anonymity/Confidentiality

Individual answers collected in this survey will be kept confidential. Only aggregated values will be reported.

Questions or Complaints

Thank you for participating in this study

Should you have any questions or complaints about this study, you may contact the researchers whose name and contact information are provided above.

Trainity out for participating in this olday.	
Sincerely,	

Part 2 - Code smells detection tech	ıniques	
Q2.1 SLR FINDING: The most frequently used code based approaches.	smells detection techniques are based	on rule-
Strong agreement (1)		
O Agreement (2)		
○ Weak agreement (3)		
○ Weak disagreement (4)		
O Disagreement (5)		
O Strong disagreement (6)		
Q2.2 How do you rate your confidence degree	while assessing the previous finding?	
	Unsure 	Sure
0		=
Q2.3 Optional justification or comments		

Q2.4 SLR FINDING: Very few code smells detection st	tudies provide the oracles used.	
O Strong agreement (1)		
O Agreement (2)		
O Weak agreement (3)		
○ Weak disagreement (4)		
O Disagreement (5)		
O Strong disagreement (6)		
Q2.5 How do you rate your confidence degree when	hile assessing the previous findi Unsure	ng? Sure
Q2.5 How do you rate your confidence degree when the degree wh		-

Q2.7 SLR FINDING: The most often detected code sn Method.	nells are God Class, Feature l	Envy and Long
O Strong agreement (1)		
O Agreement (2)		
○ Weak agreement (3)		
○ Weak disagreement (4)		
O Disagreement (5)		
Strong disagreement (6)		
Q2.8 How do you rate your confidence degree w	while assessing the previous fill Unsure	nding? Sure
0		
Q2.9 Optional justification or comments		

Part 3 - Code smells detection effectiveness

Q3.1 SLR FINDING: In the detection of simpler code achieved precision and recall of detection technical achieved precision and recall of detection technical achieves are supplied to the control of the		s), the
O Strong agreement (1)		
O Agreement (2)		
○ Weak agreement (3)		
○ Weak disagreement (4)		
O Disagreement (5)		
O Strong disagreement (6)		
Q3.2 How do you rate your confidence degree w	while assessing the previous finding? Unsure	Sure
()		=
Q3.3 Optional justification or comments		

Q3.4 SLR FINDING: When the complexity of code sm Shotgun Surgery), the precision and recall in det smells.		
O Strong agreement (1)		
O Agreement (2)		
○ Weak agreement (3)		
○ Weak disagreement (4)		
O Disagreement (5)		
O Strong disagreement (6)		
Q3.5 How do you rate your confidence degree w	hile assessing the previous finding? Unsure	Sure
0		-
Q3.6 Optional justification or comments		
Page Break ————		

Q3.7 SLR FINDING: There are few oracles shared an and collaborative oracle would be important for t processes.		
Strong agreement (1)		
O Agreement (2)		
○ Weak agreement (3)		
○ Weak disagreement (4)		
O Disagreement (5)		
Strong disagreement (6)		
Q3.8 How do you rate your confidence degree w	hile assessing the previous finding? Unsure	Sure
0		-
Q3.9 Optional justification or comments		
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Q4.1 SLR FINDING: The vast majority of code smells detection studies do not propose visualization features for their detection. O Strong agreement (1) O Agreement (2) O Weak agreement (3) Weak disagreement (4) O Disagreement (5) Strong disagreement (6) Q4.2 How do you rate your confidence degree while assessing the previous finding? Unsure Sure () Q4.3 Optional justification or comments

Part 4 - Code smells visualization

Q4.4 SLR FINDING: The vast majority of existing cod- large software systems.	e smells visualization studies ar	e not targeted to
O Strong agreement (1)		
O Agreement (2)		
○ Weak agreement (3)		
○ Weak disagreement (4)		
O Disagreement (5)		
O Strong disagreement (6)		
Q4.5 How do you rate your confidence degree w	hile assessing the previous find Unsure	ling? Sure
0		
Q4.6 Optional justification or comments		

Part 5 - Respondents' info

Q5.1 OPTIONAL
Do you want to have first-hand access to the Systematic Literature Review?
○ Yes (1)
O No (2)
Display This Question:
If Q5.1 = 1
×4
Q5.2
Please provide your Email address below.
NOTE: You will not be identified in any report that is produced using the information you have provided in this questionnaire and your email will not be used for any other purpose, except for sending you the SLR.
C Email address (3)