

# Titel

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**Abstract.** TBD

**Keywords:** TBD

## 1 Introduction

motivation

## 2 Fundamental Principles

short introduction to EBSE,..

## 3 Related Work

SEED, "a preliminary empirical investigation of the use of EBSE by undergraduate students"

## 4 Our Approach/Guidelines

The checklist (TODO name?) is meant to implicitly guide the user's approach to experimenting. By guiding the user, typical mistakes might be prevented. To create guidelines that help preventing typical users' mistakes, these mistakes first need to be identified. In this section, experiences and guidelines found in related work are discussed. The conclusions are used as basis for design of our guidelines. The first set of guidelines is based on the report of Rainer et al. [?]:

Observation	Conclusion/Guideline
<i>“Students had problems constructing well-formulated EBSE questions.”</i> (p. 6)	Give examples for good questions to make sure the user understands a good question’s scope of information. Also, explicitly list which building blocks should be contained in the question.
<i>“Students used limited criteria for identifying the best or better evidence[...].”</i> (p. 6)	Support decision-making to get a decision as unbiased and suited as possible. Since a decision’s quality is highly dependent on the individual case, we only give a very general hint to the user. The idea is to sensitize the user to consciously prevent bias as good as possible.
<i>“Students used a very limited number of search terms.”</i> (p. 6)	If users look for something very specific without knowing the technical term, search engines might yield better results when used with more detailed search terms. Also, synonyms or similar words might widen the search’s scope to find more related work. Encourage more search terms by providing examples containing enough search terms.
<i>“Students provided poor explanation in their reports of how their searches were conducted.”</i> (p. 7)	TODO
<i>“Students varied in their use of the EBSE checklist.”</i> (p. 7)	Design the checklist in a way to support the user’s workflow instead of hindering it. Keep it possibly simple and provide enough examples to make the user never guess an item’s meaning.
<i>“Some students critically appraise the technologies rather than the publications (evidence) on the technologies”</i> (p. 7)	TODO Give a hint/indication?
<i>“But we also think that the kinds of problems students were tackling [...] are not the kinds of problems researchers commonly investigate.”</i> (p. 8)	Scientific and practical evidence can have very different requirements regarding content and other aspects such as duration of evaluation. To limit this paper’s scope, we focus on scientific evidence.

## 5 Discussion

i just cleaned this mess up..

## References

1. Rainer, A., Hall, T., Baddoo, N.: A preliminary empirical investigation of the use of evidence based software engineering by under-graduate students. 10th International Conference on Evaluation and Assessment in Software Engineering (EASE 2006) (2006)

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1. Rainer, A., Hall, T., Baddoo, N.: A preliminary empirical investigation of the use of evidence based software engineering by under-graduate students. 10th International Conference on Evaluation and Assessment in Software Engineering (EASE 2006) (2006)