

Background (Research questions)

Montag, 28. Juni 2021

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1. Background
 - (a) Identify **previous research** on the topic.
 - (b) Define the main **research question** being addressed by this study.
 - (c) Identify any additional research questions that will be addressed.

Previous Work

see "Literature, Related work"

Research Questions

(RQ1) Framework application

- (RQ1.1) Do practitioners find the framework reasonable?
- (RQ1.2) Are the processes of the framework feasible in practice?

(RQ2) Framework effects

- (RQ2.1) Does the framework lead to raised awareness for the incurrence of TD?
- (RQ2.2) Are the TD items incurred more consciously when using the TAP framework?
- **(RQ2.3) Does the TAP framework lead to a better overview of the TD items?**
- (RQ2.4) Are the TD items paid back timely?

(RQ3) Framework benefits

- (RQ3.1) Can TD be prevented by the adoption of the TAP framework?
- (RQ3.2) Are there other benefits arising from the adoption of framework?
- (RQ3.3) Do these benefits justify the additional effort?

(RQ4) Management Perspective

- (RQ4.1) Do the managers have an overview of their IT systems' TD?
- (RQ4.2) What are the benefits of the TD overview from a management perspective?

-- Old (20210810)

- (RQ4.2) Does the overview of TD influence the planning of projects into a project roadmap?
- (RQ4.3) Does the overview of TD influence the managers decision-making regarding contraction, prevention an repayment of TD?
- (RQ4.4) Does the overview of TD influence the managers communication with customers?

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(RQ4) Management Involvement (ToDo)

- (RQ4.1) Do the managers have an overview over the TD of their IT systems?
Hast du / deine Gruppe ein System, das Euch hilft dauerhaft den Überblick über technische Schulden zu bewahren?
Wenn ja, wodurch hast du diesen Überblick? Wenn nein, warum nicht?
(Bei Julian je Gruppe.)
- (RQ4.2) Does the overview over TD influence the planning of projects into a project pipeline?
Hat ein Überblick über technische Schulden einen Einfluß auf deine (Ein-)Planung von Projekten (fachliche und technische)?
Wenn ja, inwiefern? Wenn nein, warum nicht?
- (RQ4.3) Does the overview over TD influence the managers decision-making regarding contraction, prevention an repayment of TD?
Hat ein Überblick über technische Schulden einen Einfluß auf deine Entscheidungen bezüglich Aufnahme, Vermeidung und Rückzahlung von technischen Schulden?
Wenn ja, inwiefern? Wenn nein, warum nicht?

- (RQ4.4) *Does the overview over TD influence the managers communication with customers?*
Hat ein Überblick über technische Schulden einen (ggf. indirekten) Einfluß auf die Kommunikation mit deinen Kunden?
Wenn ja, welchen? Wenn nein, warum nicht?