



# UNDERSTANDING REQUIREMENTS CHANGES AND THEIR IMPACT ON AGILE DEVELOPMENT TEAMS

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## At a glance



### Goal

A developer's emotions influence their productivity and decision-making. We explore how these are impacted in handling requirements change (RC).



### Strategies

- Gather information from software practitioners globally to understand RC facets and emotions throughout handling.
- Develop a prototype to self-report and monitor emotions.
- Provide recommendations and a tool to support practitioners.

## Key outcomes



### Taxonomy of RC facets

We created a taxonomy that covered RC types, forms, carriers, reasons, sources and events of origination.



### Insights into developer emotions and EQ

Surveys revealed that practitioners experienced different emotions that varied during handling, and triggers.



### Emotion-centric guide

We developed an emotion-centric guide for introducing and accepting RCs.



### Further research

More research into developer emotional intelligence was conducted with outcomes currently under review.

## Methods and tools



Gathered insights from software practitioners around the world using surveys and interviews.



Used statistical and qualitative analyses to review the data.



Leveraged Python, Excel and MAXQDA to conduct the statistical and qualitative analyses.



Developed a software prototype that allows software practitioners to self-report and monitor their emotions.

## Learn more

To discover more about this project, contact [Dr Kashumi Madampe](#) or scan the QR code.



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